

14

Spine data wrong

not all that wrong!

1912 1918-1929 would be correct.

Note that the first two digits  
are in years

hence  $P.P. =$

12.1 = 1<sup>st</sup> coll. of 1912

Don H. Nielsen

21 May 1991



United States  
National Museum

Division of Plants

1912.

J = Java (Buysman)  
s = seeds.

Bu = Buffalo Bot. Gard. (Cowell)



12.1 *Echinocactus simpsoni* 10008  
1 destr. 122

12.2 *Coustantia rosea* 10043

12.3 *Phyllocactus latifrons* E. *stenopetalum*  
*Epiphyllum conzatti* R. n. sp.

12.4 *Mamillaria donati* 10044  
1

12.5 *Selenicereus* 10053

12.6 *Lemaireocereus*

12.7 *Cephalocereus royeri* (?)  
(= *Pilocereus* " )

12.8 *Hylocereus trigonus*

12.9 *Selenicereus* "

12.10 *Opuntia tuna*  
spines large, yellow

12.11 *Opuntia catacantha* L. + O.

Wyoming, Fort Russell Dec., 1911  
Earl B. Powell

Mexico, Oaxaca, Coyula, Cuicatlan 1911  
C. Conzatti 900 meters  
" " "

Mexico, Esperanza, Puebla Jan. 1912  
C.A. Purpus 2400 meters

Porto Rico, Ponce  
Henry T. Cowles #234  
Guayanilla " #235

near " " #236, #248

" " #237

" " #238

La Ventana, near Guayanilla #241

Guayanilla #243



- 12.12 *Melocactus* 10033
- 12.13 *Opuntia catacantha* Dead
- 12.14 " "
- 12.15 " *ficus-indica*
- 12.16 *Selenicereus grandiflorus*
- 12.17 *Euphorbia*
- 
- 12.18 *Opuntia ovata* Dead
- 12.19 " *spgazzinii* Web.
- 12.20 " *foliosa*  
1 destr.
- 12.21 " *diademata*
- 12.22 ~~*Pterocactus*~~ ? *Opuntia clausenoides*  
1 destr.
- 12.23 *Haworthia clariperla*

- Porto Rico, La Ventana  
Henry T. Cowles. #244, #245, #250  
La Ventana #246
- " #249
- [Common everywhere] #251, 252
- Arecibo #253
- Yauco X

California, Holmby Garden, Jan. 2, 1912  
East Hollywood. Fr. Weinberg



12.24 *Haworthia glabra concolor*

12.25 "

12.26 / " *reinwardii*

12.27 *Gasteria pumila*

12.28 *Opuntia pusilla*

12.29 *Selenicereus*

10046

12.30 *Euphorbia*

12.31 *Opuntia pollardii* Britton & Rose

10074

12.32 *Echinocactus lecontei*

10057

(From South Africa)

Porto Rico, San Juan.

# 330 B. Hioram, Colegio de San Pablo.

1/13/1912

# 331

Mississippi, Biloxi

S. M. Tracy.

2/5/12

Arizona, just North of Phoenix

E. O. Wootton #7008

2/9/1912.

"This is what Dr. Kunze calls E. lecontei and is certainly distinct enough from E. wislizeni of the Mesilla Valley. Spines straighter,



12.33 *Echinocactus wislizeni*.

10057

plant taller, and usually  
less in diameter, flowers  
reddish maroon with orange  
margins to petals. Radial spines  
different. Should be cultivated  
along side of *N.M. E. wislizeni*."

Arizona, just north of Phoenix. 2/9/12.  
E.D. Wootton #7009. alt. 1100 ft.

"This is what Dr. Kunze  
considers *E. wislizeni*. I'm  
inclined to doubt the cor-  
rectness of the conclusion. Had  
better be compared in growing  
condition with *E. wislizeni*  
from Ariz. College"

12.34 *Opuntia pollardii*

10062

3 Dead

Alabama, Dauphin Id. Petit Feb. 12, 1912  
A. H. Howell Bois Id.

12.35 *Echinocereus engelmannii*

10078

Arizona, N.E. of Phoenix.  
E.D. Wootton

Feb. 12, 1912.

12.36 *Manillaria grahamii*.

- Mt. N.E. of Phoenix.



12.37 *Opuntia* 10075

12.38 " *sulphurea* Dead

12.39 " *catacantha*

12.40 *Nopalea*

12.41 *Opuntia decumbens*

12.42 *Nopalea coccinellifera*

12.43 *Opuntia vilis* 10076

12.44 *Mamillaria Lloydii* " " " "

12.45 " " " "

12.46 *Pereskia* " 10077

12.47 *Opuntia pollardi* 10079

Mexico, Balsas NYBG 32811

H. H. Rusby. 1910.

?

Simon, 1901

?

NYBG 6647

Porto Rico Simon 1906 NYBG 24673

Britton & C. - #1323

?

Simon 1900

NYBG #6646

?

Weinberg 1910.

NYBG #32645

Mexico.

1910.

H. H. Rusby. NYBG. —

Mexico, Durango, Lerdo, " " " "

E. Chaffey

Mexico, Zacapana

C. A. Purpus.

Alabama, Uniontown

A. H. Howell.

3-4-12



12.48 *Cereus deami* 10081  
(or new genus)

12.49 *Hylocereus minutiflorus* = *Wilmatia microphora*  
JHB.

12.50 *Selenicereus hondurensis*  
JHB

12.51 *Mamillaria arizonica* 10102

12.52 *Echinocereus*

12.53 *Opuntia fusco-atra* Dead 10098  
1 dead destroyed

12.54 " *lindheimeri*

12.55 *Phyllocactus gaillardae* ✓  
(Seedlings)

12.56 *Weberocereus* n. sp.  
*Selenicereus mermis*

12.57 *Cryptostegia* 10099  
(Seeds)

Guatemala, Mrs. T. D. A. Coctorell. 2/20/12  
Quirigua.

Arizona; Nelson Mar. 2, 1912  
E. O. Wootton.

Texas, Victoria. Mar. 4, 1912.  
J. D. Mitchell

Canal Zone Feb. 1912  
H. Pittier

Colombia Along Sambú R., South  
Darien. Epiphytic. #5715

Mexico; San Blas, Sinaloa  
E. A. Tays.



12.58 *Cereus Boeckmannii* 10100  
Becker

12.59 " 1 destr.

12.60 "

12.61 "

12.62 *Echinocactus*  
Dead & destroyed Et Las  
12.63 *Manillaria*

12.64 *Opuntia* 10101

12.65 *Acanthocereus* 10103

12.66 "

12.67 *Hylocereus*

12.68 "

12.69 *Opuntia*

Presented by Arthur Kuester.  
March 19, 1912.

Mexico, Oaxaca. Jardin Botanico  
Estac. Agr. Exper., Distrito del  
Centro. 1550 m. alt. "Nopal  
Costoche" C. Conzatti.

Panama

E. Goldman #1875

#1876

#1877

#1878

#1879



12.70 Mamillaria  
flowers white? 10101

12.71 "  
1 destr. flowers

12.72 Opuntia inermis 10103

12.73 Opuntia 10101

12.74 Opuntia 10109  
large joints

12.75 "  
small.

12.76 Echinocactus corniger 10104

12.77 Mamillaria 1 dead destroyed

12.78 Echinocereus 10111  
1 destr. 5+

Mexico Oaxaca de Juarez.  
C. Conzatti #3

#4

Bird Key, Dry Tortugas Islands  
Florida, Tortugas Bird Reservation 4/2/12  
T.S. Palmer. file T.S.P. by phone 7-23-15.

Mexico, Oaxaca 1000 m. alt.  
C. Conzatti #5

Alabama, Jackson 4/6/12  
E. G. Holt.

Mexico, Guadalupe, Hidalgo.  
Wm Brockway #220  
Kilo 87, Cuernavaca Div.  
#222.

Texas, Kerrville 4/14/12  
B. Mackensen.



12.79 *Opuntia*

10109

12.80 *Hylocereus trigonus*

12.81 *Pilocereus*

12.82 *Melocactus* ✓

12.83 *Echinocereus viridiflorus* 10110  
There called pin cushion cactus. 9

12.84 *Opuntia*  
1 destr.

10109

12.85 *Leuchtenbergia*? ✓  
Seedlings, Cacti?

12.86 *Opuntia* ✓  
Coarse yellow spines

12.87 *Opuntia* ✓

12.88 *Opuntia* ✓

Dead

Porto Rico, Vieques Island.  
A. Wetmore

Mar. 30, 1912

Colorado, Colorado Springs.  
J. W. Hornum, S.

Alabama, Myrtlewood  
Ernest G. Holt.

Apr. 22, 1912

Alabama, Auburn  
J. E. Lloyd #16.  
(Originally from Cedros)

Porto Rico, Virgin Islands - (Culebra).  
Alex Wetmore, Biol. Surv.



12.89 *Opuntia* ✓ 10118

12.90 *Opuntia*  
yellow-green - almost spineless 2

12.91 *Opuntia*  
1 destr.

12.92 *Pilocereus*

12.93 " ?

12.94 *Pereskia cactus Emoryi* 10116  
~~*Echinocereus* sp.~~  
1 destr. fls. pale lemon yellow

12.95 *Opuntia* 10118  
3

12.96 *Jatropha macrocarpa* 10119  
Seeds.

12.97 *Cereus Bonplandii*  
seeds

12.98 " *tortuosus*  
seeds

12.99 " *Peruvianus*  
seeds

California, San Clemente Island 4/28/12  
E.O. Wootton #7042  
("Photographed")

Alabama, Florence 5/5/12  
A.H. Howell

Mexico, Chihuahua  
Sent by Elmer Stearns  
South America, Argentina. Seeds sent  
by Dr. Carlos Thays from Buenos  
Aires thru Mr. Peter Bisset,  
Dept. of Agr.



12.100 *Manillara Echinocactus Simpsonii* 10148  
*Pediocactus*

12.101

Orchid

12.102

Orchid

12.103

Orchid

12.104

Orchid

12.105

Orchid

12.106

Orchid.

12.107

Orchid

12.108

Orchid

12.109

Orchid

12.110

Orchid

12.111

Orchid.

Colorado, Jefferson.  
C. Birdseye.

May 22, '12

Panama, Cana.

E. A. Goldman

May 8, 1912

Pirri Range (5000 ft.) near head of Rio Timon. May 6, 1912



12.112 *Mamillaria missouriensis* 10135  
1 det. 6

12.113 *Opuntia* 10149

12.114 " 8

12.115 *Echin. Cylindrop.* 1  
*Cereus*

12.116 *Echin.* 1

12.117 *Leuchtenbergia* 1

12.118 *Opuntia* 10148

12.119 *Pilocereus*

12.120 *Opuntia* 10147  
3

12.121 *Pereskia nicotiana* Web. 10146  
2

Montana, Greycliff.  
W.W. Eggleston.

Mexico, Durango, Lerdo.  
E. Chaffey.

Porto Rico, Yauco  
Alex Wetmore

Utah, Tooele, Tooele Co.  
H.L. Shantz #3132

Costa Rica, Puntarenas  
Coll. by 'C. Werckle', sent  
by A. Tonduz.



12.122 *Opuntia Dillenii* 10145  
*inermis* SHB, //

12.123 *Cephalocereus* ~~Bakeri~~ *Bahamensis* 4  
*Pilocereus*

12.124 Orchid 21

12.125 *Acanthocereus* 10154

12.126 *Opuntia elatior* 3

12.127 *Mamillaria zephyranthoides* 10178  
1 spec. Ded. ✓

12.128 *Echinocactus viruaga* 1

12.129 " *cataphractus*  
*cataphractus Dams* 1

12.130 *Mamillaria vivipara* 2 ✓  
(One sent to N.Y.B.G.)

12.131 *Cereus Karstenei* 1  
(four angled)

Bahama Islands, Smith Place, May 24, 1912  
northeast corner of South  
Bight, Andros Islands, Long  
Bay Key District.  
Dr. Paul Bartoch.

Panama, Pinogana. June 20, 1912.  
E. A. Goldman.

Panama,  
Christopherson #207  
(See Mrs. Potter for data)

Germany, Messrs. Haage & Schmidt.

Streeters, No. Oak. June 28, 1912.  
V. Bailey.

Jardin des Plantes,  
Paris  
Obtained by Dr. Rose.



- 12.132. *Phyllocactus*  
hybrid, <sup>1 destr.</sup> 3
- 12.133 *Rhipsalis Warmingiana* 1
- 12.134 " *capilliformis* 1
- 12.135 *Selenicereus* 1
- 12.136 *Anacampteros arachnoides* <sup>medicinal plant</sup> *Sinn*
- 12.137 *Cereus setaceus*  
(three angled). 1
- 12.138 *Selenicereus* 1
- 12.139 *Weberocereus tunilla* <sup>called</sup> *Cereus Bischoffii* **Dead** 1
- 12.140 *Rhipsalis Wercklei* 1
- 12.141 *Phyllocactus* 1
- 12.142 *Cereus Amecaensis* 1
- 12.143 *Cereus Wercklei* 1

Botanical Garden  
Munich, Germany.  
Obtained by Dr. Rose.

Botanical Garden  
Brussels, Belgium.  
Obtained by Dr. Rose.

Botanical Garden  
Brussels, Belgium.  
Obtained by Dr. Rose.

Santo Domingo.  
Through Mr. De L'et.  
Obtained by Dr. Rose.

Botanical Garden  
Brussels, Belgium.  
Obtained by Dr. Rose.

Botanical Garden  
Brussels, Belgium.  
Obtained by Dr. Rose.

Botanical Garden,  
Brussels, Belgium.  
Obtained by Dr. Rose.

Royal Botanic Gardens, Kew,  
Collected by *Alfredo Brude* in  
Obtained by Dr. Rose. *Costa Rica*

Royal Botanic Gardens, Kew.  
Collected in Costa Rica by *Alfred Brude*.  
Obtained by Dr. Rose.

Botanical Garden, Halle, Germany.  
From Costa Rica.  
Obtained by Dr. Rose.

Royal Botanic Gardens, Kew.  
Obtained by Dr. Rose.

Royal Botanic Gardens, Kew  
Obtained by Dr. Rose.



12.144 *Hylocereus*

12.145 " *Lemairii*

12.146 *Opuntia*  
1 destr.

12.147 " *Treleasei* Coult. + 2 flowers

12.148 *Opuntia elongata*

12.149 " *megacantha*

12.150 " *monacantha*  
1 destr.

12.151 " *inaequilateralis*

12.152 " *Labouretiana*

12.153 " *hyptiacantha*

12.154 " *winteriana*

12.155 " *parva*

Royal Botanic Gardens, Kew.

Obtained by Dr. Rose.

Royal Botanic Gardens, Kew.

Obtained by Dr. Rose.

Tooele, Utah

(Boring # 78)

J.H. Kearney, of Dept. Agr.

10 mi. E. of Bakersfield, Calif.  
Det. W. J. MacDougal & S. Sykes.

July 12, 1912

June 26, 1912

Italy, La Mortola. A. Berger, thru  
Nybg. #36269 Dr. Rose.

#36270

#36271

#36272

#36273

#36275

#36276

#36277



12.156 *Opuntia Scheerii* ~~Dead~~ 10177

12.157 " *pilifera*

12.158 " *Beckeriana*

12.159 " *Bergeriana*

12.160 " *velutina*

12.161 " *puberula*

12.162 " *Hanburyana*

12.163 " *glaucescens*

12.164 " *crinifera*  
1 destr.

12.165 " *triacantha*

12.166 " *polyantha*

12.167. " *alcahes*

12.168 " *Verschaffeltii*

#36278

#36279

#36280

#36281

#36282

#36283

#36284

#36285

#36286

#36287

#36288

#36289

#36291



12.169	<i>Opuntia</i>	<i>hematocarpa</i>	10177
12.170	"	<i>oligacantha</i>	
12.171	"	<i>intermedia</i>	
12.172	"	<i>Lemaireana</i>	<u>Dead</u>
12.173	"	<del><i>foliosa</i></del>	
12.174	"	<i>fulgida nana</i>	
12.175	"	<i>moesta</i>	
12.176	"	<i>Spegazzinii</i>	
12.177	"	<i>Bigelovii</i>	
12.178	<i>Pereskia</i>	<i>amapola</i>	LHB
12.179	<i>Pereskia</i>	<i>rotundifolia</i>	
12.180	"	<i>de Hait</i>	

#36292

#36293

#36294

#36296

#36297

#36298

#36299

#36302

#36303

#36304

#36306

#36309



12.181 *Cereus nycticalis armatus* 10177

12.182 " *grandiflorus maximillianus*

12.183 *Echinopsis obrepanda* 10176

12.184 ~~*Rebutia*~~ *Echinocactus minusculeus* 1

12.185 " *Martinii* 12

12.186. " *Schlingkianus* 1  
+ destr. 1 destr.

12.187. " *Grahleanus* 1  
+ destr. 1 destr.

12.188 *Mamillaria Mundtii* 1

12.189. " *fulvolanata* 4

12.190 " ~~*purpurea*~~ *ocassana* 1

12.191 " *trichantha* 2

12.192 " *pyrocephala* 1

# 36313

# 36314

Germany, Mahlsdorf.  
From Walter Mundt.



12.193 Mamillaria Praelii 10176

12.194 Cereus thelegonus(?) 1

12.195 Echinocactus Quehlii 1

12.196 " platensis 2

12.197 Echinocereus Salin-Dyckianus 2

12.198 " Scheerii 2

12.199 " amoenus 2

Dead & preserved 2

12.200 " subinermis 2

12.201 Echinocactus Schumannianus 1

12.202 Mamillaria rhodantha 1

12.203 Echinocactus denudatus paraguayensis? 1

12.204 Echinopsis Pentlandii 1

12.205 Echinocactus concinnus 1

(Germany - W. Mundt.)



12.206 Echinocactus pumilus 10176

12.207 <sup>Dead specimen</sup> Mammillaria Parkinsonii 1

12.208 " elegans 1

12.209 Echinocereus Leonensis 1

12.210 Opuntia Hempeli 1

12.211 Echinocactus Ottonis 1

12.212 Echinocereus maritimus 1

12.213 " candicans 1

12.214 Yormauxia oreganum 2  
1 destr. acc. 10246

12.215 Phyllocactus 5  
acc 10,185

12.216 Pereskia 1  
" 1956

(Germany - W. Mundt.)

"

"

"

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"

Oregon, Crater National Forest July 27, 12.  
Klamath Co. Miss. Jessie P.  
Rose #2029

Panama,  
E. A. Goldman 1957 (Biol. Serv.)

1956



12.217 *Opuntia fragilis* acc. 10247  
2 destr

12.218 *Hylocereus Lemairei* 10<sup>+</sup> acc. 10248  
1

12.219 *Opuntia whipplei*? acc. 10215  
(New species collected by P.C. Standley in 1911!)  
2

12.220 *Opuntia* 3  
1 destr.

12.221 *Mamillaria*<sup>not</sup> *Wrightii* acc. 10202.  
Box spec. 1

12.222 *Pelecophora aselliformis* 1

12.223 *Cereus Lemaireocereus giseus*  
"Thurberi!" or *C. eburneus* 1

12.224 *Echinocereus amoenus*  
Dead & preserved 2

12.225 *Mamillaria candida* 1

12.226 " " *decipiens* 1

12.227 *Pereskia* acc. 10201  
1

Utah, Salt Lake City. Grantsville, Tooele Co.  
A. O. Garrett.

My Bot. Gard. 27689

New Mexico, near Santa Fe.  
T. D. G. Cockerell.

Mexico, San Luis Potosi.  
Mrs. Irene Vera.

# 1

# 2

# 3

Mexico from Prof. C. Conzatti  
C. Conzatti.



12.228 *Echeveria* 10201  
<sub>1 det.</sub> *Thompsonella minutiflora* LHB

12.229 *Cereus*

12.230 *Coryphantha*

12.231 *Opuntia decumbens*

12.232 "

12.233 *Hylocereus trigonus*

12.234 *Nopalea cochinellifera*

12.235 *Opuntia Dillenii*

12.236 *Cephalocereus*

12.237 *Opuntia fragilis*  
<sub>1 det.</sub>

12.238 *Echinocereus aggregatus*

12.239 *Opuntia*

Mexico, Oaxaca, Tomellin Cañon  
C. Conzatti.

Camino de Ilaolula

Almolegas, Tomellin.

Ilaolula

Porto Rico, Juana Diaz,  
Alex Wetmore

Arizona, Flagstaff.  
G. Dykes, #1  
#2

#3

Aug. 1912



12.240 *Opuntia whipplei* 10200

12.241 "

12.242 " *whipplei*  
1 destr.

12.243 *Echinocereus aggregatus*

12.244 *Opuntia*

12.245 *Echinocereus aggregatus*

12.246 *Mamillaria Arizona* ?

12.247 *Nopalea amberi* ~~Dead~~ 10201  
" *dejecta* Acc

12.248 *Nyctocereus* n. sp.  
*apocactus conzatti*

12.249 *Cereus quisco* Remy Acc. 10245  
(Seeds) 2

12.250 " "  
(Seeds) 1

12.251 " "  
(Seeds) 1

#4

#5

#6

#7

#9

#10

#11

Mexico, Oaxaca, suburbs of.  
C. Conzatti.

Chile, J.D. Husbands  
S.P.D. 33824 Thru Dr. Fairchild's Office.

33826

33827



12.252 *Opuntia Maihuenia* 10245  
 (Seeds) Bus Js 1  
 12.253 *Cactus*  
 (Seeds) Bus Js 1  
 12.254 "  
 (Seeds) 1  
 12.255 "  
 (Seeds) Bus Js 1  
 12.256 "  
 (Seeds) 1

12.257 *Opuntia polydantha* acc 10247  
 1

12.258 *Gormania oregana* acc 10246  
 HNB 5

12.259 *Mamillaria Karwinskiana* acc 10249  
 1

12.260 *Opuntia* acc. 10261  
 2 destr. 30<sup>+</sup>

Chile S.P.I. 33828 (J.D. Husband)

33829

33830

33831

33832

(See 12.290)

Utah, Tooele Co. near Grantsville.  
 A.O. Garrett

Oregon Cherry Canyon, near Crystal.  
 Miss J.R. Rose.

Mexico,  
 C. Conzatti #23

Kansas, Topeka  
 Dr. J.W. Rose # 17003

Sept. 13, 1912



12.261 Echeveria acc. 10262

12.262 Sedum  
1 destr.

12.263 Opuntia  
3 Cylindrop. acc. 10264

12.264 Opuntia  
3 Cylindrop. small form.

12.265 Echinocereus  
1 destr. Dead acc. 10261  
8 destroyed

12.266 Mammillaria  
1 destr. 1 destr.

12.267 Opuntia  
1 destr. Dead

12.268 Opuntia 9

12.269 " polyacantha 2

12.270 Opuntia acc. 10243  
3

Germany, Erfurt.  
Haage u. Schmidt.

9-7-12.

Mrs. Irene Vera.  
Mexico, San Luis Potosi  
#1 Recd. 9/18/12.

#2

Kansas, Syracuse.

9-16-12.

J. N. Rose #17048

#17049

#17050

Colorado, La Junta  
#17051

#17052

Louisiana, Marksville  
W. L. McAtee

9-14-12



12.271	Opuntia 1 destr.	-	2	✓
12.272	Mamillaria Harvardii	acc 10242	1	
12.273	"		1	
12.274	"		2	
12.275	Mamillaria 2 destr.	acc 10261	4	
12.276	Opuntia		1	
12.277	Echeveria	acc. 10241	1	
12.278	Opuntia 1 destr. 1 dead destroyed	acc. 10261	8	
12.279	Mamillaria vivipara		2	
12.280	Opuntia	10229	1	

Colorado Yuma  
H. L. Shantz. 9-20-12

Arizona, Foothills of Santa Rita Mts., south of Tucson,  
E. O. Wootton. 9-14-12

Tribune, Kans. 9-18-12

J. N. Rose #17089  
La Junta, Colo. 9-16-12.  
#17053

Presented by Mr. Swiggert.  
(Originally from Scotland)

Kansas, Pratt. 9-23-12

J. N. Rose #17160

#17162

Canal House, Bas Obispo  
S. P. Verner. 8-31-12.



12.281 *Mamillaria Missouriensis* 2 ✓

12.282 *Amoreuxia palmatifolia* DC. x  
"Laya" (Seeds) ✓  
Ded-

12.283 *Opuntia fragilis*  
(With 12.281) 1 ✓

12.284 *Mamillaria vivipara* acc. 10261  
1

12.285 *Opuntia fragilis* 1 dead destroyed  
20

12.286 " hybrid  
1 destr. 1 dead destroyed 4

12.287 *Mamillaria vivipara*  
2 destr. 10

12.288 *Opuntia* hybrid  
1 destr. 3 Platiop. 8

12.289 *Mozinia pauciflora* Rose 97 acc.  
(Seeds) 1 dead ✓

12.290 *Cereus quisco* acc. 10245  
Haage jun. (Seeds) 3

South Dakota, Newell  
W. P. Carr #417 B.P.I.

Mexico, Linaloa,  
E. A. H. Tays

South Dakota, Newell.  
W. P. Carr #418 B.P.I.

Kansas, Hugoton  
J. N. Rose #17125

#17130

#17138

#17139

Mexico, Oaxaca, Sierra de Hualulula. Aug. 23, 1912  
C. Conzatti

Chile  
J. D. Husbands. S.P.I. #33825



12.291 *Opuntia* <sub>3 Platiop.</sub> 1 destr. 1 ded acc. 10256 3

12.292 *Opuntia megarrhiza* <sub>3 Platiop.</sub> 3

12.293 *Mamillaria fasciculata* acc. 10257 1

12.294 *Opuntia xanthostemma* <sub>3 Platiop.</sub> 3  
1 destr.

12.295 " *monacantha* <sub>3 Platiop.</sub> 4

12.296 " *Cantabrigiensis* Lynch. <sub>3 Platiop.</sub> 4

12.297 *Cereus* <sub>Selenicereus spinulosus</sub> acc. 10264 2

12.298 *Opuntia opuntia* (L.) <sub>3 Platiop.</sub> acc. 10258 6  
2 destr.

12.299 *Opuntia* <sub>3 Platiop.</sub> acc. 10248 3  
1 destr. 2 destr.

12.300 *Opuntia* <sub>3 Platiop.</sub> acc. 3

Texas, Dallas Co., near Irving 9-24-12  
A. Ruth.

Arizona (B. P. L.)  
E. W. Hudson C. P. B. #7590

England, Cambridge.  
R. Irwin Lynch.

Mexico, San Luis Potosi  
Miss Irvine Vera

Virginia, Great Falls. Oct. 4, 1912  
J. N. Rose.

Growing wild in grounds of NYBG. Oct. 7, 1912

Mississippi, Natchez. (Biol. Survey) Oct. 5, 1912  
E. G. Hoelt.



12.301 *Sobralia macrantha* acc. 10235  
Orchid 1

12.302 *Opuntia* acc. 10260  
& *Cylindrop.* 6

12.303 *Opuntia*  
& *Cylindrop.* 6

12.304 *Opuntia* acc. 10256  
& *Platiop.* 3

12.305 *Ipomoea leptophylla* 10261  
(Seeds)

12.306 *Mamillaria vivipara* Haw. acc.  
1 destr. (Seeds of 12.266) Bug

12.307 *Mentzelia nuda*, ded  
(Seeds)

12.308 *Yucca*  
(Seeds)  
Ded

12.309 *Mamillaria vivipara* acc. 10259  
1 destr.

Mexico, Aire Libre Oct. 1912  
H. & W. N. Hixon, Terzintan  
(Sent to Nat. Bot. Gard.)

Arizona, on road to Sabinos Cañon,  
15 miles from Tucson. W. T.  
Rwingle. C. P. B. # 687.  
Mouth of Sabinos  
Cañon, W. T. Rwingle  
C. P. B. # 689

Texas, near Fort Worth  
Prof. Albert Ruth.

Kansas, Syracuse.  
J. N. Rose #17032

#17049  
Colorado, La Junta.

#17069  
Kansas, near Johnson  
#17103

North Dakota, Mandan  
S. C. Mason C. P. B. #1132



12.310 *Mamillaria (Coryphantha)* 1 dead ✓  
(Seeds)

12.311 *Opuntia humifusa* acc.  
3

12.312. *Nopalea cochinellifera* acc.  
(All made up into Herb. sp.) JHB. 2

12.313 *Mamillaria (Coryphantha) pallida* n.sp.  
det. 2

12.314 *Hylocereus Conzattii*  
*apocactus Conzattii* 1

12.315 *Pereskopsis*  
*Pereskia Conzattii* 2

12.316 *Opuntia depressa* Rose  
1 det. 1

12.317 *Echinocactus cornigerus* 1

12.318 *Opuntia Greenei* 1 dead destroyed  
Glochids brown 1

12.319.  
Glochids yellow 6+ Dead

12.320 *Mamillaria Kunzeana* acc.  
J. Quehl + Bodiker 2.

Texas, Vicinity of El Paso.  
Elmer Stearns

Sept. 1912

Indiana, Lafayette  
J. C. Arthur.

Oct. 15, 1912

Mexico, Oaxaca, Agr. Exp. Sta.  
C. Conzatti #8

Puebla, Tehuacan  
#28

Oaxaca, Cerro San Felipe  
#18

" San Juanito  
#19

Puebla, Santiago Mixhuatlán.  
#33

" Tehuacan.  
#36

Colorado, Boulder.  
T. D. A. Cockerell

Oct. 1912

Germany, Halle (Saale)  
L. Quehl.



12.321 *Sedum* acc.  
Ded 3  
Ded

12.322 *Opuntia catacantha* acc.  
1 destr. *Call'd Nopalea monolifera.* 1  
12.323 *Pereskopsis chapistle* 1  
12.324 *Nopalea Auberi?* 1  
*Call'd N. Karwinskiana* 1

12.325 *Hylocereus?* *Acanthocereus* acc.  
2

12.326 *Nyctocereus?* " juv. form. 1

12.327 *Acantho*  
*Cereus submermis BTR?* 1

12.328 *Rhipsalis Cassytha* 1  
1 destr. 2

12.329 *Hylocereus* acc.  
2

12.330 " *Costaricensis*  
*Cereus polychrysus* 1

Arizona: Santa Catalina Mts.  
Moist places in shade of cliffs,  
4-5000 ft. D.T. MacDougal.

England, Heaton Park, Manchester.  
"St. Kitts, oi" R. Lamb. #627.

#766,

#626,

Mexico, Oaxaca de Juarez. Jardin Conzatti.  
C. Conzatti A

B

C

D

Bay of Panama, Urua Ids., Howe, 1910  
NyBG. 31788  
"From Werckle, 1911"  
NyBG. 11984



12.331 *Stauranthus Conzatti* n. sp.  
(Seeds)

12.332 *Opuntia Scheer*i 1 ded  
(Seeds)

12.333 *Pereskopsis chapistle*  
1 spec. ded. - destroyed 2

12.334 *Hylocereus tricostatus* 2

12.335 *Mamillaria* 3

12.336 *Opuntia* acc  
6

12.337 *Pereskopsis* n. sp. 3

12.338 *Hylo* *Cereus Lemairei* acc  
1

12.339 " *extensus* 1

Mexico, Oaxaca, Cerro San  
Antonio, 1800 meters alt.  
Distributo del Centro, C. Conzatti

Italy, La Mortola  
J. N. Rose 17223

May 16, 1912

Mexico, Oaxaca de Juarez, Oaxaca.  
C. Conzatti "E"

"F"

"G"

Colorado, Boulder,  
T. D. A. Cockerell.

Mexico, Oaxaca, Xoxo, Monte  
alban. C. Conzatti

11/10/12

England, Manchester,  
R. Lamb.



Dissection

- 12340 *Phyllocactus biflorus* 2.

- 12.341.                      "                      Hookeri

- 12.342. " *lepidocarpus*  
1 dead destroyed

- 12.343 1. destr. " grandis 2

- 12.344 *Cereus Bradlei* 1 ded  
(seeds)

- 12.345. *Houquieria splendens* Engelm. acc.

- 12.346 *Carnegiea gigantea* 2

- 12.347 *Echinocactus Wislizeni*

- 12.348 *Peniocereus Greggii*

- 12.349 *Mammillaria* *Grahami*

- 12.350 *Echinocereus Engelmanni* ? 4  
/

(England, Manchester.  
R. Lamb)

Costa Rica, San Jose, Museo Nacional  
O. Jiménez # 616

Arizona, Sacaton, Pima Indian School.  
Frank W. Thackeray.



12.351 *Opuntia leptocaulis* 4

12.352 *Opuntia acanthocarpa* 1

12.353 " *arbuscula* ? 1

12.354 " *Bigelovii* 1

12.355 " 1 destr. 1

12.356 *Opuntia*  
(Seeds of 12.351)

12.357 *Selenicereus* acc. 1

12.358 *Hylocereus* 1

12.359 *Selenicereus*  
"not *grandiflorus*" 1

12.360 *Hylocereus polyrhizus* 2

12.361 *Selenicereus brevispinus*  
1 destr. 1

12.362 " " 1

(Arizona, Sacaton  
Fr. Thackeray)

Cuba, Santa Clara,  
NyBY. 31983 N.L.B. 1910

NyBY. 6170 Simon

NyBY. 6689 Simon, Paris, 1901

Colombia, Weinberg 1902  
NyBY. 14641

Cuba Shafer 338  
NyBY. 30107

Bahamas New Providence 868 1904  
NyBY. 21519



- 12.363 *Hylocereus ocamponis* 3
- 12.364 "*Mesocactus coccineus* B + R  
in Cuba 1
- 12.365 *Selenicereus* 1
- 12.366 *Hylocereus triangularis*  
distr. 1
- 12.367 " 1
- 12.368 *Cereus pentagonus*  
= *Selenicereus rigidus* 1
- 12.369 *Selenicereus fulvocornatus* 1
- 12.370 *Hylocereus polychizus*  
ded 1
- 12.371 *Selenicereus Maxonii* 1
- 12.372 *Selenicereus grandiflorus maximilianus* 1
- 12.373 *Hylocereus* 1
- 12.374 " 1

- Mr. Barre 1901  
NyBG. 9772  
"Pernambuco" Simon 1901  
NyBG. 6787  
Cuba, El Cobre 1912.  
NyBG. 35226 B.C. 12879.  
F. Weinberg 1910  
NyBG. 32770  
NyBG. 22197  
Simon - 1901  
NyBG. 6791  
Haiti Nash #1504 1905  
NyBG. #24088  
NyBG. #6232  
Bahamas, N.L.B. #2824 1905  
NyBG. #22105  
Italy, La Mortola. Berger by Rose 1912  
NyBG. 36314  
Santo Domingo, Taylor #314 1909  
NyBG. #31795  
NyBG. 27689



12.375 *Coryphantha Cubensis*

2

12.376 *Opuntia*  
1 destr. *rhodantha?*

acc

3

12.377 *Opuntia Texana*

acc

2

12.378 *Hylocereus Guatemalensis*  
*Cereus trigonus guatemalensis*

2

12.379. *Hylocereus*  
*Cereus Napoleonis*

1

12.380 *Hylocereus*  
*Cereus extensus*

1

12.381 *Hylocereus*  
*Cereus Lemnaisi*

1

12.382 *Opuntia*

acc

2

12.383 *Mamillaria elegans*

1

12.384 *Opuntia Nelsonii* Rose

1

12.385 *Opuntia*  
1 destr.

1

Cuba, Oriente Shafer #12432 '12  
Nybg. 35225

Colorado, Boulder,  
T.D.A. Cockerell

Italy, La Mortola. A. Berger.

Mexico, Oaxaca. Bet. Alvarado & Tomellin. Nov. 1912  
E. Conzatti "GG"

"J"

"FF"

"H"



12.386	Mamillaria	acc
	"Bocosana"	1
12.387	"modesta Rose rep.	
	"Caput Medusae"	1
12.388	"	
	"Centricircha macrantha"	1
12.389	"	
	"dolichocentra"	1
12.390	"	
	"decipiens"	1
12.391	"	
	"pectinata"	1
12.392	"	
	"conoidea"	1
12.393	"1 dead destroyed"	
	"wrightii"	2
12.394	"	
	"spinosissima"	1
12.395	"	
	"potosina"	1
12.396	"	
	"uncinata"	1

Mexico, San Luis Potosi, S.L.P. Nov. 28, 1912  
 Mrs Irene Vera



12.397 *Epiphyllum Gaillardiae* Rose <sup>acc</sup>  
<sub>n.sp. 3</sub>

12.398 *Rhipsalis Cassytha* *baccifera*  
5

12.399 *Cereus Aragoni* <sup>acc</sup>  
2

12.400 *Cereus* <sup>acc</sup>  
"fulgidus" 1

12.401 " " <sup>1</sup>  
"polyrhizus" 1

12.402 " " <sup>1</sup>  
"Boeckmannii" 1

12.403 *Hylocereus* 1 dead destroyed  
"setaceus" 1

12.404 " " <sup>1</sup>

12.405 *Opuntia cholla* (Seedling) 1

12.406 *Nopalea Amberi* 1

Canal Zone, Bas Obispo  
S.P. Verner

Costa Rica, San José, Museo  
Nacional, Alfaro.

England, Manchester, Heaton Park  
R. Lamb # 61

# 129

# 19

# 145

# 654

# 623



12.407	<sup>Hyl</sup> Cereus Purpusii" (Spec. ded)	acc /
12.408	" Vaupelii"	/
12.409	" caesioides"	/
12.410	Chilensis" ded	/
12.411.	Epiphyllum crenatum	acc /
12.412.	" flavescens	/
12.413.	"	<u>Dead</u> /
12.414.	" latifrons	/
12.415.	"	/
12.416	Rhipsalis	/
12.417	Epiphyllum macropterum	/
12.418	" carthagenae	/

Germany, Erfurt  
Haage & Schmidt.

Geneva, 1912. Dr. Rose.

Nybel. 36210

Werckle, 1901

Nybel. 11966

Werckle, 1902

Nybel. 11996

Italy, La Mortola, Berger thru Dr. Rose

Nybel. 36317

Geneva 1912. Dr. Rose

Nybel. 36211

Costa Rica, San Jose, W.R. Maxon

Nybel. 24943

"Piedras Negras" - Werckle, 1902.

Nybel. 11993

Weinberg 1903

Nybel. 19161



12.419 *Epiphyllum stenopetalum* acc.

12.420 " *cartagense robustum*

12.421 " *cartagense*

12.422 *Opuntia rutilis* acc.  
| destr.

12.423 *Echinocereus Engelmannii*

12.424 " " ?

12.425 *Echinocactus Wislizenii*

12.426 *Pilocereus Celsianus* acc.  
*Oreocereus*

12.427 " *Dautwitzii*

Simon, 1901

NYBG 6137

Weniberg 1903

NYBG 19161

W. Maxon 1906 - Costa Rica

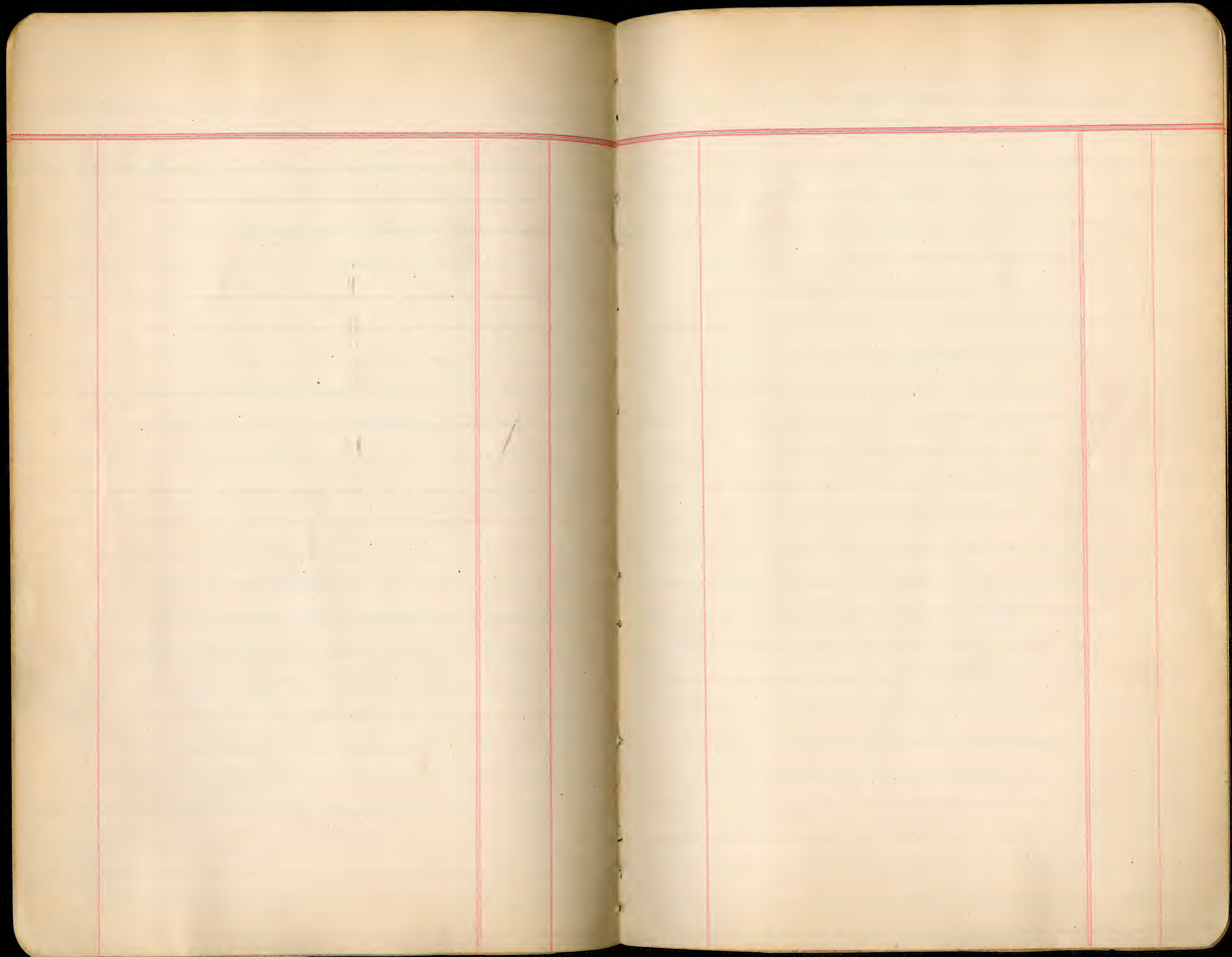
NYBG 24944

Arizona, Coconino Co., Supai  
A. H. Symons.

Germany Erfurt.  
F. A. Haage jun.

Dec. 18, 1912.

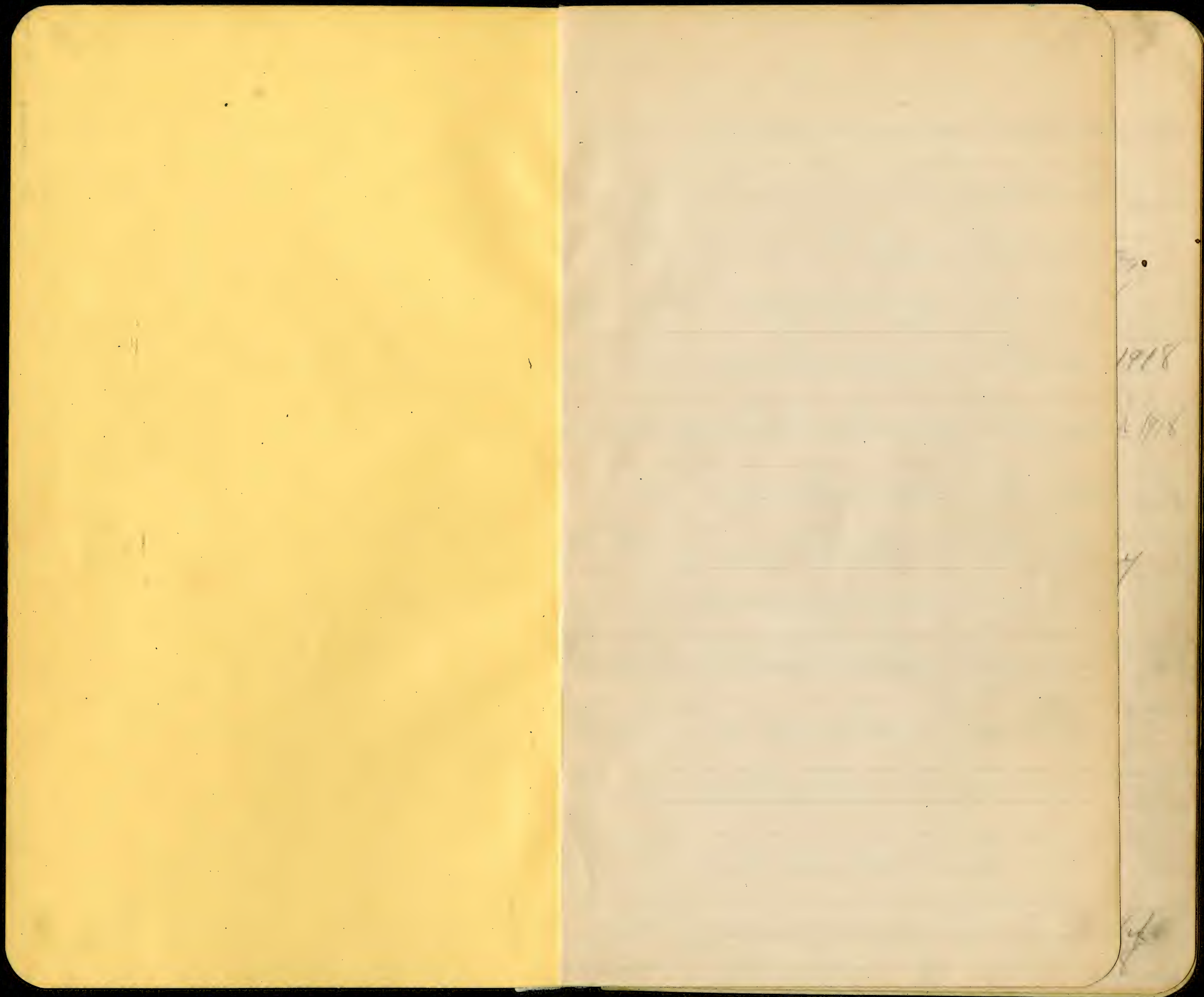






1918-1921







1918

1.

2. *Lilopneustes*  
Chico, Calif

18.3 *Pereskia pereskia*

18.4 *Echinocactus virens*

18.5 *Mammillaria dioica*

18.6 *Coryphantha durangensis*

18.7 *Sedum* <sup>Dead, destroyed.</sup>

18.8 *Chrysanthemum*

18.9 *Coryphantha setacea*

18.10 *Pereskia Lehmannii*

18.11 *Sedum compactum* Britton

Chico, Calif. G. P. Van Eseltine,  
col. Feb. 24, 1918

Bahia Brazil. L. Lehmann 1918

South Cal. Dr. Shantz 1918

Mexico Dr. Chaffey  
1918

*Isthmus Tehuantepec* Mex  
C. Conzatti

Oaxaca Conzatti

Bahia, Brazil

Onland Peak, San Antonio Mts, Southern Calif  
F. M. Johnston = 1814 March 24 1918



18.12 Selaginella

18.13 Hesseanthus

18.14 Hesseanthus

18.15 Dudleya

18.16 Dudleya

18.17 Dudleya

18.18 D. pulverulenta

18.19 Hyloteris

18.20 Monarda parryi

18.21 Dudleya pulverulenta

18.22 Bulb.

18.23 Sedum

California, G. P. Van Eseltine, coll.  
(Rec'd Apr. 16, 1918)

Lone Hill, South of Glendora, Los Angeles  
Cal.

J. M. Johnston # 1918

California, Hills South of Ontario

J. M. Johnston #

1918

Cucamonga Cañon, San Antonio Mts. San Bernardino Co. Cal.  
J. M. Johnston. Apr. 1 # 1918

San Jacinto Cañon, San Jacinto Mts, Riverside Co. Cal.  
J. M. Johnston Apr. 3 # 1918

Lone Hill South of Glendora, Los Angeles Co. Cal.  
J. M. Johnston Mar. 30, 1918

Hills S. of Ontario, San Bernardino Co. Cal.  
J. M. Johnston Mar. 31, 1918

Honduras F. J. Dyer 1918

Oaxaca B. P. Rebo. 1918

Cal. Chula Vista Cal. April 27 1918

France Dr. Glover Wilcox 1918.

France, near Joul  
Dr. Glover Wilcox 1918



18.24 Sedum.

18.25 Agave lechuguilla

18.26 Opuntia

18.27 Lemniscoscerus

18.28 Acanthoscerus

18.29 Echinocactus viridescens  
Dead & preserved

18.30 Cactus dyeri

18.31 Opuntia occidentalis

18.32. Opuntia occidentalis

18.33 Opuntia serpentina

18.34. Mammillaria dioica  
Dead & preserved

18.35 Opuntia prolifera

Near Yonk, France

Dr. Glover W. Lox

El Paso, Texas

E. O. Wooten

Tegucigalpa, Honduras.

A. 276. J. - J. J. Dyer, April 16, 1918

Tegucigalpa, Honduras.

A. 279. J. H. J. Dyer, April 9, 1918

Tegucigalpa, Honduras

A. 272 - J. J. Dyer. April 9, 1918

Dr. Shantz

Southern Cal.

May 1918

Comayagua, Honduras

George W. Ellis A 267

Southern California,

Dr. Shantz.

Southern Cal.

Dr. Shantz

Southern Cal.

Dr. Shantz

Southern Cal.

Dr. Shantz

Southern Cal.

Dr. Shantz

May, 1918

May, 1918.

May, 1918.

May, 1918.

May, 1918

May, 1918



1836 Tacunga funebis

Dead  
1837 Rhypsalis angustata

1838 Mammillaria  
3 specimens

Dead & preserved  
1839 Mammillaria similar  
seeds

1840 Opuntia

1841 Echinocereus  
Dead & preserved

1842 Echinocactus cylindricus 3 spec.

1843 Dierca

1844  
Orchid

Bahia Brazil, September 1917

Costa Rica

Alfredo Brache June 6, 1918  
Oberholser, H. C.

Near Mandan N. D. June 1918  
A. Ruth

Polylechnie, Texas June 1918

Camp Hancock, Augusta, Georgia  
Robert Leslie (H. K. Smith) June 7, 1918

Eggston

Southern California 1918

S. C. Mason

June 1918

Honduras

Dyer

Near Zaragura, ~~Spain~~  
Cuba 9/7/18







19.1 *Saintpaulia israntha* 3 sp.

19.2 *Cereus setosus* 8 cuttings

19.3 *Cereus* night-blooming, 3 cuttings

19.4 *Coryphantha retusa* dead

19.5 *Diarrhea*

Dead preserved  
19.6 *Opuntia keyensis* Britton 2 cuttings

19.7 *Opuntia* 3 cuttings

19.8 *Opuntia macrantha* Gibbs 4 cuttings

19.9 *Opuntia tunoidea* Gibbs 2 cuttings

19.10 *Echeveria* seeds

19.11 *Opuntia aculeolaris*

Colombia, Medellin.

W. O. Wolcott. Nov. 8, 1918.

Colombia, Medellin.

W. O. Wolcott Nov. 8, 1918

Oaxaca, Mexico.

Dr. B. P. Baker

5,000 ft. alt.  
Jiquigalpa, Honduras, 20 mi. n.w.  
Financas Dyer (A 302)

Hammock, Key Largo, Florida.

J. K. Small, April, 1916

Magangue, Colombia, (near)

J. W. Pennell, (46074) 1918

Jamaica Island, Charleston, S. C.

J. K. Small, Feb. 7, 1919.

Rockwell, S. C.

J. K. Small Feb. 6, 1919.

H. Pittier (no 7043)

Los Chinos de Tonalá, Veracruz

Santa Ynes, California

J. P. Harrington Feb. 1919

Specimen No. 1. Distinguished by its  
taller, almost tree-like growth, generally  
larger size and good flavor of its  
fruit. Often grows among the other species



19.12 *Opuntia Covillei*

19.13 *Opuntia Covillei*

19.14 *Opuntia fascicularis*

19.15 *Calisia repens*

19.16 *Schumbergiana russelliana*

19.17 *Echinopsis multiplex*

but can be distinguished."

Santa Ynez, Cal.

J. P. Harrington, Feb. 1919.  
Specimen No. 3. "Distinguished by  
its lower growth (plant is practi-  
cally identical with that of specimen  
No. 2) but has very small roundish  
fruit. No specimens of the fruit were  
obtainable."

Santa Ynez, California.

J. P. Harrington, Feb. 1919.  
Specimen No. 4. "Distinguished  
by its lower growth (plant is  
practically identical with that of  
specimen No. 2), but its very small  
roundish fruit has a saline taste."  
El Dorado Canyon, Clark Co., within 1 mile of  
Colorado River.

Joan Tidestrom, No. 8863, April 4, 1919.  
Santo Domingo P.

J. U. Rose No. 13,4175. 1913.

Brazil  
J. U. Rose 21171

U. S. B. G. No. 41330.



19.18 *Hylocereus cubanus*

19.19 *Opuntia emacea*

19.20 *Mammillaria*

1 sent to B. B.

~~19.21 *Opuntia emacea* - 1919~~

19.22 *Echinocereus mojavensis*

19.23 *Coryphantha chlorantha*

19.24 *Echinocactus whefferi*

19.25 *Opuntia*

19.26 *Echinocereus rigidissimus*

19.27 *Echinocactus polyacanthus* ~~Dead~~

(Spec. in Herb. 11/4/19)

19.28 *Echinocereus rigidissimus*

19.29 *Opuntia* seedling

19.30 *Opuntia* seedling

Jala Hills, Cuba.

Brother Seim,

St. George, Utah

1912.  
J. Tidestrom

B. P. R. Co

Oaxaca

1918

St. George, Utah

Ivar Tidestrom

May 1919

Green River Utah  
May 24/1919

Harbor Key, S.W. Big Pine Key, Fla.

Paul Bartsch

Nogales, Mexico

Dr. J. Dyer (A. 313) May 25, 1919.

Goldfield, Nevada

Ivar Tidestrom, (A 722) June 1, 1919.

Nogales, Mexico

Dr. J. Dyer (A 315) June,

"

"

"

"

(A 318)

(A 323)



19.31 Opuntia seedling

19.32 Opuntia erinacea (2 sent to  
Dr. Britton)

19.33 Opuntia

19.34 Echinocereus<sup>2</sup> rigidissimus

19.35 Echinocereus rigidissimus

19.36 Coryphantha vivipara form

19.37 Mammillaria uruguayana  
Dead & mounted

19.38 Hylocereus calcaratus B. & R.

19.39 Hylocereus stenophyllus B. & R.

19.40 Aloe

19.41 Mesembryanthemum

19.42 Adiantum 2 forms

19.43 Opuntia

Nogales, Arizona

#1 J. Dyer (a 324) June  
Goldfield, Nevada (9786)

Ivan I. Iestrom, June 5

Nogales, Mexico  
a. 325 - #1 J. Dyer June 1

a. 328 "

a. 331 "

a. 329 "

a. 330 "

San Marcos, Costa Rica  
C. W. Erickson

C. E. Kypshen

"  
Petalinga, Sonoma Co. Cal.

George S. Yarn  
Bel. Hardesty & South River, Anne Arundel Co. Md.  
W. R. Maxon. June 29.



19.44 Mammillaria

19.45 Phaedronassa bicolor  
= Rose 22573

19.46  
= Rose 22573

19.47  
= 25849

19.48  
= Rose 22573 fl. to 11.4. 9/19  
buds to 6 cent.

19.49 Eucaea molayana Rose  
= Rose 22573

19.50 Phaedronassa bicolor  
= Rose 22573

19.51 - Phaedronassa bicolor  
= Rose 22573 = 19.52

19.52 Phaedronassa  
= Rose 22573 fl. 8/19/19

19.53  
= Rose 22573

19.54 Commelina  
= Rose 22622

19.55  
= 22295 (hypocistis)

19.56

Near Comayagua, Honduras. A335  
By Jose Maria Aguirre for F. J. Rose, Neg. 1/1/19

July 9, 19

July 10, 19

July 10, 19

July 10, 19

July 10, 19

July 10, 19

July 10, 19

July 10, 19

July 10, 19

(Rose Ecuador 1918) - July 10, 19

(Rose Ecuador 1918)

July 10, 19



19.57  
*Agave intermixta* Treb.  
"Seeds of Aloe"

19.58 *Leptocarpus bifolius*  
"Bulbs of a Lily"

19.59  
" " ny

19.60  
" " ny

19.61  
" " ny

19.62  
" " ny

19.63  
" " ny

19.64  
" " ny

19.65  
" " ny

19.66  
" " ny

19.67  
"Lind. Cactus, vignaquitae" 2 ny

19.68 *Setcreasea*  
Crown = 07.183

19.69 *Cornucopia*

Dr. H. L. Abbott April 19.  
Coahuila, San Domingo 3500 ft

Dr. W. L. Abbott  
Coahuila, S. Domingo April 19.

Dr. W. L. Abbott  
Hondo Rio Grande Valley, S. Domingo May 19.

" "

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" "

" "

Dr. Rebo  
Oaxaca

" " "

July 10, 19

Growing in cactus groundhouse

July 10, 19



1970. *Callisia*

71 *Echinocereus rigidissimus*

72

73 *Mammillaria Hartwegii*

74 *Opuntia Santa-Rita*

75 *Mammillaria cavendishii*

76 *Selenicereus*

77 *Cooperia drummondii*

78 *Mammillaria*

79 *Rathbunia*

80

81 *Mammillaria vivipara*

82 *Echinocactus Wislizenus*

Growing in NW cone cactus greenhouse

July 15, 1919

J. G. Dyer, Nogales, Ariz. May 31, 1919

= A 314 / 4000 ft. NW of rocky hill

= A 315

J. G. Dyer, Nogales, Ariz. June 22, 1919

A 333 (side of rocky hill 1/2 mi. W. of town)

J. G. Dyer, Nogales, Ariz. June 19, 1919

Edge of rocky hill - western edge of town - A 332

Calleguas, Argentina, (Shaper, 1917-74A)

= D. 1176 & 45476. Received July 17, 1919.

J. Thomas, Virgin, Va.

18.

Seeds planted by Mr. Grille 7/12/19, fl. found 7/15/19

E. C. Root

Colorado Desert, Cal

1919

= N. Y. B. S. 12469

McDougal, Sonora Mex.

1902

Nogales, Sonora, Mex.

J. G. Dyer

July 13, 1919



19.83. *Opuntia*

19.84. *Stizolobium*

85. *Mammillaria*

86. *Mammillaria*

87. *Mammillaria*

88. *Mammillaria*

89. *Mammillaria*

90. *Eucrobia morleyana*  
= 22593 near *Phacelia* fl. Aug 1870

91.

= Rose 22573

92. *Cassula rosularis*

93. *Cassula corymbulosa*

94. *Hypochis sulphurea*

95. *Mammillaria maderagalii*

F. J. Dyer:

Hogales, Sonora  
= Rose 22651 *Escobedo*

July 13, 1919

Dr. Reber

Nuevo Laredo, Coahuila, Mex.

July 27, 1919

"

"

Oceanside

San Diego, Calif.

Aug. 1919

Oceanside

San Diego, Calif.

"

Cape Town, S. Africa

E. E. Hipsher, Barboursville, W. Va. 8/20/19

"

"

"

(Found July 1925)

E. E. Hipsher, Barboursville, W. Va. 8/20/19

F. J. Dyer, (collected back of Nogales, Ariz.)  
(= A342)

8/3/19



1996 *Mammillaria macdougalii*  
T.H. Y.

97 " " T.H. Y.

98 " " T.H. Y.

99 " *vivipara*  
part to H. Y.

100. *Lobelia pentlandii*

101. *Opuntia pentlandii*

102. *Trichocereus candicans*

103. " *spachianus*

104. " *amprochtonii*

105. *Momilla cavendishii*

106. *Selenicereus hamatus*

107. *Harrisia*  
(*Cereus atropurpureus*)

108. *Cereus zausacari*

J. J. Dyer, (rich, hillside no. of High School)  
(= A 346) Nogales, Ariz. 8/10/19

(= A 347) " " "

(= A 348) " " "

(= A 349) 4000 ft. alt.

C. G. Abbot,

El Alto, above La Paz, Bolivia May 28, 1919.

Theodosia B. Shepherd Co.  
Ventura, Calif. Sept 2, 1919



19.109. *Sedum melleotularem*  
-683

19.110. *Opuntia*

19.111. *Pelecyphora fectinata*

19.112. *Manicillaria elongata* DC

19.113 *Manicillaria sphaecelata*

19.114 *Coryphantha pallida* Torr.

19.115

19.116 *Manicillaria mussoniana*

19.117 *Haworthia* sp.  
(seedling)

19.118. *Rochea* sp.  
(Seedling)

19.119. *Aloe lineata*  
(seedlings)

19.120 *Opuntia*

M. E. Jones, Mex.

Flowered in greenhouse Sept. 29, 1919

Mrs. J. D. More, Houston, Texas

Sept 15, 1919.

<sup>Oaxaca</sup>  
Dr. B. P. Reko, Mexico Sept. 30, 1919

5 to N. Y.; 2 to Mr. Root; 2 to Hipsher

Hills behind El Riego, Tehuacan Mex  
Dr. B. P. Reko (#4212) Sept. 7, 1919.

"  
(#4210)

"  
(#4211)

J. E. Aspinwall, La Grange, Ky. 10/28/19

(No. 312) E. E. Hipsher.

Cape Town, South Africa

(No. 393) E. E. Hipsher

Cape Town, South Africa

E. E. Hipsher.

Cape Town, South Africa

J. J. Dyer

Arizona close to "border" Nogales 11/3/19



19. 121. *Mammillaria*

19. 122. *Echinocereus rigidacris*

19. 123. ~~*Phyllocactus*~~  
*Zygocactus truncata* Sch. <sup>Ex</sup> Bagn.

19. 124. *Mammillaria lasiacantha*  
var. *demundata*

19. 125. " *micromeris*

19. 126. " "

19. 127. " "

19. 128. *Opuntia prolifera*

19. 129. *Opuntia vulgaris*

19. 130. *Opuntia leucotriche*

19. 131. *Echinocactus recurvus*

19. 132. *Mammillaria*

19. 133. *Mammillaria pygmaecephala*

P. J. Dyer; from Honduras  
growing at Nogales, Mex.

11/3/19

P. J. Dyer,

Nogales, Arizona

11/2/19

to greenhouse, without date  
except 6-3-18, M. Truitt

11/29/19

Camutillo

Co.

Box 74, Camutillo Texas

#1 11/21/19

" Found 28 mi  
El Paso, Texas "

#2 "

E. V. Huaco Mts. on ledge  
limestone "

#3? "

"

#4 "

E. C. Post, Alhambra, Calif.

"

"

"

"

"

"

B. P. Rebo, Oaxaca, Mex.

11/10/19

"

"

"

"

"

"



19.134. *Strophostyles helvola*

19.135 *Opuntia brachycarpa* Small seed

19.136 *Epidendrum tampense* Small.  
Orchid

Seeds, J. M. Rose Atlantic City N. J.

Sept. 1919.

Shell mounds 5 m. South of Delora, Fla.  
Jan. 30 1919

Florida (Exact origin unknown)

Print in dept. of ag. greenhouse Dec. 1919



20. 1. *Mammillaria recurvata*

2. *Opuntia dillenii*

3. *Harrisii*

4. *Echinocactus bicolor*

5. " *conglomeratus*

6. *Coryphantha*

7. *Lophophora* <sup>seeds + preserved</sup> *williamsii*

8. *Mammillaria elegans*

9. *Echinocereus pectinatus*

10. *Pereskia Congatti*

11. *Echinocereus reichenbachianus*

12. *Echinocactus conigerus*

13. *Rhipsalis*

Nogales, Mex.

R. G. Dyer

Terra Ceia, Fla.

R. Robinson

"

Matillo, Coahuila

B. P. Rebo

"

Matillo, Mex.

"

"

"

C. Congatti Mexico Received Feb 1920  
Two seeds planted.

E. D. Schults

Classen Ranch, Bryan Co. Texas

C. Congatti

Oaxaca Mexico

J. Stahel

Paramaribo, Surinam

Jan. 1920.

Jan. 1920

"

Jan. 1920

March 1920.



- 20/14. *Mammillaria macromerus*  
1 specimen
- 20/15 *Peperomia*  
see 20/17 1 to Reid
- 20/16 "  
= Rev 24078 1 to Reid
- 20/17 *Peperomia magnifolia* DC.  
= 20/15
- 20/18 *Hyloteleium* 2 specimens
- 20/19 *Physalis smilaxi* Beauv
- 20/20 *Mammillaria radiosa* deserti Coulter
- 20/21 *Echinocactus polyancistrus*
- 20/22 *Mammillaria tetraancistra* (sometimes  
called *M. phellosperma*)
- 20/23 *Echinocereus engelmannii*
- 20/24 *Epiphyllum weingartii*  
dead
- 20/25 *Mammillaria*
- 20/26 *Mammillaria*

Rincon, New Mexico.  
D. J. MacDougal, March 13, 1920.  
H. E. Safford Florida

J. W. Rose near Huerfano Canyon

Royal Palm State Park Paradise Key Fl.  
1917 H. E. Safford (20/18)  
H. E. Safford, Florida 1919

Part of type & record from Rosewood 1920

E. C. Root So. Calif.  
March 1920.

E. C. Root March 1920

E. C. Root March 1920

E. C. Root March 1920  
(Cultivation). Darmstadt.  
A. Berger March 1920  
Mexico  
O. Solis March, 1920



- 20.27 *Mammillaria elegans*  
 20.28 *Echinocactus grandis*  
 20.29 *Echinocactus falconeri*  
 20.30 *Echinocactus longhinatus*  
 20.31 *Mammillaria karwinskiana*  
 20.32 *Mammillaria* sp  
 20.33 *Echeveria spencei*  
 20.34 *Solanum*  
 20.35 *Cactus*  
     Dead & preserved  
 20.36 *Cactus melacactoides*  
 20.37 *Rhipsalis*  
     Growing on *Anacardium occidentale*  
 20.38 *Echinocereus orcutti*

Mexico  
 Oclaro Solis

March, 1920

"

"

"

"

"

Ecuador  
 J. H. Rose.  
 Calama, Chile

1918  
 March 1920.

"Near sea strand, some kilometers north  
 of the light-house at Pitúba [Brazil]  
 on the hills of pure white sand"  
 L. Zelentner 2/13/20  
 Merituba, vicinity of Cacholima and  
 S. Felix. 2/13/20  
 L. Zelentner  
 Cape Colnett, Lower Calif  
 C. R. Orcutt July 1917



20.39. Mammillaria

20.40 Echinocactus

20.41 Mammillaria heyderi

20.42 Echinocereus erinacanthus

20.43 Echinocereus reichbachianus

20.44 Dudleya brauntonii

20.45 Rhipsalis jamaicensis

20.46. Opuntia dillenii

20.47. Rhipsalis cassytha

20.48 Cactus molocactus

20.49 Mammillaria similis

"Within 40 miles of Tucson" Arizona  
Dorset Shreve 1920

Near San Antonio, Texas  
Helen Schubert 4/22/20

11

11

11

From Type Locality E Braunton

4/22/1920

Near Los Angeles Calif

Mason & Kilip #1509 Ipswich, Jamaica  
4/1/20

Near Port Antonio, Jamaica

Mason & Kilip #1702

2/20/20

Mason & Kilip #1574

Hope River Valley, near Rockfort,  
Jamaica; Mason & Kilip #1705 4/8/20

Politechnia, Texas

A. Ruth

4/29/20

"Infts. 3 ft. across"



20.50 Echinocactus cylindraceus

20.51

Amaryllidaceae

20.51 Wilmettia minutiflora

1 to ny.

20.52 Epiphyllum

" " Oculi

20.53 Scandia testuosa

1 to ny.

20.54 Epiphyllum phyllanthum?

20.55 Opuntia boldingii B. & R.

(Hook.)

20.56 Hyllocereus lamsoni B. & R.

20.57 Lemniscoceros

20.58 Rhipsalis coccinea?

20.59 Opuntia

20.60 Opuntia acutissima

Col.

Port.

Port. #122 (Sands)

Pinos

Guatemala

May 1920

Harry Johnson #15 (164)

"

"

"

"

#16 (165)

#17 (163)

Paramaribo, Surinam

Gurol Stahel #1 May 1920

#2

#3

#4

#5

(Key B 9) Big Pine Key, Fla.

J. R. Small

1919

"

Cape Sable, Fla.

1916



- 20.61 *Opuntia*  
 20.62 *Opuntia*  
 20.63 *Opuntia macrantha*  
 20.64 *Opuntia*  
 20.65 *Opuntia*  
 20.66 *Opuntia ammophila*  
 20.67 *Opuntia drummondii*  
 20.68 *Opuntia*  
 20.69 *Opuntia beyensis*  
 20.70 *Mammillaria radialis*  
 20.71 " "  
     *leachianus*  
 20.72 " *grahamii*  
 20.73 *Echinocereus emineus*

- 4739) Rockville, S.C.  
 J. K. Small 1919  
 " Houma, La.  
 Wurtzlow 1919  
 " Charleston, S.C.  
 J. K. Small 1917  
 "ignum Vitae Key, Fla.  
 J. K. Small 1919  
 " Cape Sable  
 J. K. Small 1917  
 " Lake George, Fla.  
 J. K. Small 1918  
 " Charleston, S.C.  
 J. K. Small 1917  
 " Apalachicola, Fla.  
 J. K. Small 1916  
 " Unalakleet Bay, Alaska  
 J. K. Small 1917  
 " 3 L. J. J. J.  
 " Cametillo, Texas (#1) May 1920  
 " " (#2) "  
 " " "  
 " " "



20.74 *Echinocereus Texensis*

20.75 *Mammillaria*

20.76 *Opuntia leptocaulis*  
Dead or preserved

20.77 *Stenocereus*  
= Rose 24087, Ecuador 1918

20.78 *Selenicereus*  
= 23153 Rose Ecuador 1918

20.79  
= 22581 Rose Ecuador 1918

20.80 *Fragaria*

20.81 *Fragaria*  
1 spec. preserved  
Plant sent Strawberry City, N.C.

20.82 *Mesocenthera mesotricha* Rose

20.83

Seeds of

20.84 *Echeveria leucotrichum*

20.85 *Echeveria setosa*

Ellen Schultz, San Antonio, Tex.  
June 1920

J. N. Rose; Mts. south of Cuenca, Ecuador

Grover B. Wilcox 1919

Grover B. Wilcox 1918

S. R. Orrett  
La Jolla, Calif. 6/15/1920

Arizona; Dr. Hough

Darmstadt, Ger. (cult.) June 1920.

A. Purpus June 1920



- 20.86 *Echeveria pilosa*  
 20.87 *Urbinia purpurea* x  
*Echeveria setosa*  
 20.88 *Rhipsalis tondusii*  
 20.89 *Rhipsalis wercklei*  
 20.90 *Rhipsalis clavata*  
 20.91 *Rhipsalis wercklei*  
 20.92 ~~*Gynerium*~~ *bridgesii*  
 20.93 *Gynerium delicatulum*  
 20.94 *Alnus*  
 20.95 *Rhipsalis shapleyi*  
 20.96 *Rhipsalis* ?  
 20.97 *Rhipsalis platycarpa*

Darmstadt, Ger.

A. Purpus

June 1920

"  
 A. Berger, Stuttgart, Ger.

"

"

"

"

"

(Pachano #102 - Ecuador

Posada, Arg. (N.Y.B.G. 48548) June 1920  
 Sheper #134 731 1917.

Rio de Jan. Braz. (N.Y.B.G. 43058)

J.R. Rose #20400 1915

Orgau - Missozo, Braz. (N.Y.B.G. 43440)

J.R. Rose #21159 1915



- 20.98 *Acanthocereus brasiliensis*  
 20.99 *Cereus polyrhizus*  
 20.100 *Arrajadoa penicillata*  
 20.101 *Rhipsalis sulcata*  
 20.102 *Hariota salicornioides*  
 20.103 *Rhipsalis elliptica*  
 20.104 *Rhipsalis clavata*  
 20.105 *R. cassytha*  
 20.106 *Peperomia*  
 20.107 *Peperomia galvinae* Kunth  
 20.108 *Rhipsalis pachyptera*  
 20.109 *Rhipsalis crispata*

- Villa Nova, Braz. (NYB 9. 42858)  
 J. N. Rose # 19935 1915  
 Weinboz (NYB 9 14641)  
 Machado Portello, Braz. NYB 9 42982  
 J. N. Rose 19913 1915  
 (NYB 9 16082)  
 Bot. Gard, Berlin 1902  
 Suion (NYB 9 6166) 1901  
 Brazil (NYB 9 43167)  
 Rose 20874 1915  
 Brazil (NYB 9 43065)  
 Rose 20403 1915  
 " (NYB 9 43015)  
 19896  
 Ecuador (NYB 9 46610) "  
 J. N. Rose 1918  
 Ecuador (NYB 9 46609)  
 J. N. Rose = 24694 1918  
 Rio de Jan., Braz. (NYB 9 43023)  
 J. N. Rose 20332 1915  
 Organ Mts, Braz. (NYB 9 43441)  
 J. N. Rose 21154 1915



- 20.110.1
- 20.111 *Rhipsalis muscellii*
- 20.112 *Pachyphytum amethystinum*
- 20.113 *Monvillea*
- 20.114 *Hyllocercus*
- 20.115 *Rhipsalis dissimilis*
- 20.116. " *oblonga*
- 20.117. *Arrajadoa rhodanthus*
- 20.118 *Rhipsalis*
- 20.119 *Borjicactus*
- 20.120. *Cotyledon orbiculata*
- 20.121 *Rhipsalis mexembriantha*

- Corozal, Colombia (MyB 946068)  
J.W. Pennell 1918
- Joca de Onca, Brazil (MyB 942979)  
J. Rose 20106 1915
- (MyB 941291)  
J. Rose 2493 1906
- Trinidad, Paraguay (MyB 945510)  
J. A. Shaper #133 1917
- Yucatan, Mex. (MyB 945882)  
G. F. Gaumer 23428 1917
- Brazil  
Rose 20707 1915
- "  
Rose 20249 "
- Rose 19791 "
- Ecuador  
Rose 23247 1918
- Cotamaya Valley, Ecuador  
Rose 23029 1918
- Weinburg 1906
- Brazil  
Rose, 20246 1915



- 20.122 *Cereus*  
 20.123 *Cephalocereus leucostichus*  
 20.124 *Schlumbergera*  
 20.125 *Zygocactus*  
 20.126 *Rhipsalis dissimilis*  
 20.127 *Cephalocereus phaeacanthus*  
 20.128 *Epiphyllum maxoni*  
 20.129 *Cereus polyrhizus*  
 20.130 *Rhipsalis radicans*  
 20.131 *Hyllocereus*  
 20.132 *Monsvillea*  
 20.133 *Albizzia*  
 20.134 *Pereskia aculeata*

- Paraguay  
 Ashaper 150a. 1919  
 Brazil  
 Rose 19902 1915  
 Brazil  
 Rose 21170 1915  
 Argentina  
 Rose 20901 1915  
 Brazil  
 Rose 20707 1915  
 Brazil  
 Rose 20095 1915  
 Weinburg 1901  
 Weinburg 1902  
 Weinburg  
 Brazil (My 139 43054) 1915  
 Rose  
 Venezuela  
 Rose 21870 1916  
 Guayaquil, Ecuador  
 Rose 22117 1918  
 Africa (large spreading tree)  
 H. L. Shanty (1029 49288 Reid 1/28/20  
 (fruit yellow, 5 in. diam.)  
 " (13179 49311)



20.135 *Rhipsalis pittieri*  
(dead) ~~all in herb.~~

20.136 *Rhipsalis*

20.137 *Mammillaria macromeris*

20.138 " *macantha*

20.139 " *tuberculata*

20.140 *Coryphantha muhlendorffii*

20.141

Missing

20.142 *Harrisia*

20.143 *Epiphyllum phyllanthus paraguayense*

20.144 *Chirocactus baumannii*

20.145 Missing

20.146 *Cereus*

H. Pittier, Valencia, Venezuela.

June 1920

Mrs. S. L. Patterson, Camargo, Texas

July 1920

"

"

"

"

"

"

Bot. Gard, Asuncion, Paraguay

~~S. C. F. 15~~ (#1) Rec'd 7/10/20

Dr. C. F. Schlegel

#2

#3

#4

#5

#6



- 20 147 ~~Echinocactus~~  
*Farflea purpurea* (Lamare)  
 20 148 *Echinocactus schumannii*  
 Dead & destroyed  
 20 149 *Cereus*  
 20 150  
 20 151 *Wilmatia minutiflora*  
*Monodellea spegazzinii*  
 20 152 *Cereus*  
 20 153 *Opuntia*  
 20 154 *Opuntia* (1000)  
 20 155 *Mediocactus coccineus*  
 20 156 *Rhipsalis shapari* R. & R.  
 20 157 *Opuntia*  
 20 158 *Opuntia*

Paraguay Dr. C. Fiebrig  
 (do.)

#7

#8

#9

#10

#11

#12

#13

#14

#15

#16

#17

#18



20.159 *Harrisia*

20.160 *Cereus*

20.161

Seeds (small black)

20.162

Seeds (winged)

20.163 *Diolea*

Seeds

20.164 *Rhipsalis cuneata*

20.165 *Rhipsalis tomentosa* BALCIPERAT

20.166 *Epiphyllum*

20.167 *Epiphyllum maculatum*

20.168 " *grandilobum*

20.169 *Hyloteuichus stenopterus*  
H. Hoff.

Paraguay #19

#20

Paraguay Bot Gard.

"

"

Guatemala, H. Johnson

#223

7/12/20

#224

#225

Costa Rica W. Popenoe

#406

2/12/20

#403

#404



20. 170. *Epiphyllum mabayanum*

20. 171. *Kalanchoe spatulata*

20. 172. *Manfreda maculosa*

20. 173. *Aloe lineata*

20. 174. *Eucharis grandiflora*

20. 175. *Phyllocactus chiapensis*

20. 176. *Mammillaria donatii*

20. 177. " *waltonii*

20. 178. *Oreoc. spigazzini*

20. 179. *Mammillaria sartorii*

20. 180. *Rhipsalis warringtoniana*

20. 181. " *chloroptera*

E. E. Hipscher, Barboursville, W. Va.

" (Bengal <sup>India</sup>) 7/12/20

"

" (Cape Town, Africa)

Ecuador, J. M. Rose 1918

23627

Erfurt, Germany, Haagen-Schmidt



- 20.182 *Echinopsis meyeri*  
 20.183 *Mammillaria kewiana*  
 20.184 " *schelhameri*  
 20.185 " *bruceana*  
 20.186 *Rhipsalis dryocarpa*  
 20.187 *Mammillaria bruceana*  
 20.188 " *potosina*  
 20.189 *Phyllocactus chiapensis*  
 20.190 *Cereus damazii*  
 20.191 *Opuntia clavarioides*  
 20.192 " *derffii*  
 20.193 *Polypodium*  
 = 24088

Quigra, Ecuador J. R. Rose

Aug 21-28, '18  
 Sept



20194

*Philipparia pacificifolia* Kent

20.195 *Opuntia*  
2 specimens

20.196 *Mammillaria prolifera*

20.197 *Pereskia portulacifolia* D.C.

20.198 *Opuntia remossima*

20.199 *Selenicereus*

20.200 *Selenicereus*

20.201 *Opuntia pollardii*

20.202 " "

20.203 " "

20.204 *Cephaocereus polylophus* (Lam.) Hoffm.

20.205 " "

Calona @ Kille

1820

Beaufort, N. Carolina

R. L. Barney

July 1920

Haiti (746)

W. S. Abbott & E. C. Leonard

1920

Haiti (850)

E. E. Hefner

Yucca, Arizona

1918

E. C. Leonard

Haiti (1281)

1920

Received through W. E. Safford 1918

St. Thomas Virgin Islands

Millsboro, Del.

J. H. Small

July 30, '20

Rehoboth, Del.

" 29 "

Cape Charles, Va

" 31 "

Port-au-Prince, Haiti

Leonard #5316

7/18/20

Leonard

# 5317

July '20



20.206 *O. dillenii*

20.209. " "

20.210. *O. canbana*

211 *O. taylori* B. & R.

212 *O.*

213 *O. monilifera* (L.) Hawd.

214 *Lemaireocereus leptrix*

215 Not used

216 *Cereus heptagonus*

217 *Leptocereus*

218 *Selenicereus*

207 *Hapisia naslini*

208. *Nopalea cochinillifera*

P-au-P. Haiti

EC Leonora #5318

Gonavi Is. Haiti

E.C.F.

5319

P-au-P.

#5320

P-au-P.

#5321

Pointe Verettes

#5322

P-au-P.

#5323

"

#5324

"

#5325

Pétionville

#5326

P-au-P.

#5327

"

5328

"

5329

Gonavi Is.

5330

7/14/20

July/20

7/14/20

7/14/20

"

6/25/20

7/14/20

"

July/20



20. 217. *Mammillaria vivipara*  
(200)

20. 220 *Mamm. simpsonii* (2)  
(210)

20. 221 *Mammillaria* sp.  
(210)

20. 222 *Leuocostemum leptostachyus*  
(211)

20. 223 *Opuntia Milleri* n. sp. (1)  
(212)

20. 224  
(213)

Seeds

20. 225 *Mammillaria nivea*

20. 226 " *erecta*

20. 227 " *elegans*

20. 228 *Psoralea*

20. 229 *Opuntia*

20. 230 Seeds of *Epiphyllum pumilum*

20. 231 Seeds of *Echinocactus* sp.

Boulder, Colo.  
D. M. Andrews

8/16/20

"

"

Sonora, Mexico  
Dr. Wm. Kew  
Luzman  
J. Stahl

Aug. 1920

Aug. 1920.

Quito, Ecuador

Rev. Louis Miller

Aug. 1920.

Los Angeles, Calif.  
Carl Achermann

8/12/20

"

"

El Paso Tex.

9/7/20

On limestone rocks, near  
Mechanicburg, Pa., J. K. Small

8/20/20

Chama, Valle de Atlix, Guatemala  
Harry Johnson

1920

Painted Desert, Arizona  
W. N. Chute

Aug. 1920



20.232 *Stenomessum hartwegii*

20.233. *Phacelanthus chloracea*

Flowed Nov 28 1920

20.234 *Echinocactus*

20.235 *Coryphantha pyramantha*

20.236 *Echinocereus triglochidiatus*

20.237 *Opuntia opuntia*

20.238 *Mammillaria*

20.239 *Opuntia opuntia*

20.240 *Opuntia whipplei*

20.241. *Mammillaria echinocarpa*

Dead specimen

20.242 " arizonae

20.243 *Opuntia*

Ortunuela, above Chinto, Ecuador,  
9500 - 11,000 ft. Pl. July

L. Söderström

8/11/20

Guapulo, above Maskangora River,  
Ecuador. L. Söderström

8/11/20

Painted Desert - Arizona

W. H. Clute

1919

Oaxaca, Mex.

C. Conzatti

Sept. 1920

Lamy, New Mexico

J. H. Ferriss

9/15/20

Idaho

J. H. Ferriss

Grand Vico, Grand Canyon, Ariz.

J. H. Ferriss

-11

"

"

Painted Desert, near Tuba, Ariz.  
"caneos alvost", w. c. c. (J. H. Ferriss)

Pajarita Mts., Ariz.

J. H. Ferriss

9/15/20

Nacijo Co., Ariz.

J. H. Ferriss

Santa Rita Mts (near ground)

W. H. Clute

"



20.244 *Rhipsalis purpurascens*

20.245 "

20.246 *Melocactus*

20.247 *Cereus*

20.248 *Mammillaria sartorii*

20.249 *Epiphyllum*

20.250 "

20.251 *Decasia*

20.252 *Cereus acanthosphaera*

20.253 " "

20.254 *Rhipsalis coccinea*

20.255 *Urena lobata*  
tag, seeds on monkey

20.256

Urena " "

Tinca Mosto, Chiapas, C. A. Purpus  
Sept. 1920. #9 2/15/20

" "

#1

San Jeronimo, Oaxaca "

#6

Barraanca de ~~Panama~~ "

Tanampa #7

Via Cruz "

"

Chiapas, Mex. "

#8

Barraanca de Tanampa "

Via Cruz

#10

Chiapas "

#3

Barraanca de Tanampa, Via Cruz

#15

" " Panama

#4

"

"

#2

French Congo, Igovi 6/2/15

"

"

"



20.257. Mammillaria

20.258 Mammillaria

20.259 Opuntia

20.260 Mammillaria bicolor

20.261 Mammillaria

20.262 " macromeris

20.263 Echinocactus horizonthalonius

20.264 Mammillaria

20.264 " Opuntia

20.265 Echinocactus

20.266 " Opuntia

20.267 Opuntia

20.268 Begonia

Seeds of parent seed original white  
developed into green plants.

Los Angeles, Calif.  
Carl Ackerman

9/20/20

Camtello, Texas  
Mrs S. F. Patterson

9/20/20

"

"

Los Angeles, Calif. 9/20/20  
Carl Ackerman

"Grand View Grand Canyon" but perhaps  
from South Oregon  
Grand View Grand Canyon

Belalabrisaurus near Grand  
Paso Aug. for Grand Canyon  
Grand Canyon

Plant of Loja Ecuador Rinc - 1916



20.269 Begonia

20.270 Apocynaceae *comp. pith.*

20.271 Mammillaria

20.272 Mammillaria longisetus <sup>ref</sup>

20.273 Opuntia

=#1

20.274 Mammillaria howiana <sup>Box</sup>

=#2

20.275 Mammillaria

=#4

276 Mammillaria roseana

=#7

277 M. brandegei

=#6

278 Echinocactus

=76

279

Seed with some package

280 Tacsonia mollissima  
seeds

Near Porto Ecuador,

Oct 17 1916 JPH

Cerro de San Felipe, Oaxaca

C. Conzatti

9/24/20

"

"

North of Arroyo, Santo Domingos, Lower  
Haw. Mailand via A. <sup>LOS ANGELES Sept 11 1920</sup> Calif.

Las Animas peak, S.W. of  
Conordia & near Rancho San Benancio  
W.S.L. Kew.

"

On Cerro Canelo, no. of Arroyo Santo  
Domingos, Lower Calif. W.S.L. Kew.

"

"

"

= 23776, JPH, Ambato, Ecuador



20.281. *Rhipsalis micrantha*

20.282 *R. madagascariensis*

283. *R. tetragona*

284. *Epiphyllum obtusangulum*

285. *E. " delicatum*

286. *Rhipsalis gracilis*

287. *Pediocactus robustior*

288. *Mammillaria celsiana*

289. *Epiphyllum oxyphyllum* <sup>Congatti 4689?</sup>

290. *Cereus hexagonus*

291. *Epiphyllum phyllanthoides*

292. *Epiphyllum*

Kew Bot. Gard.

M. L. Briston

Sept. 1920

"

"

"

"

"

Washington (State)

Oct. 1920

"Saddle Mts., west of the Columbia, back from  
the Sentinel Bluff" 1700-2300 ft <sup>in a meadow</sup>  
Alturas de Papalo, 2100 m.

Cincatlán, Oaxaca ~~Sta~~ 10/16/20

Guaduas, Cundinamarca, Colombia  
W. Popenoe 474 (SP. 9.51559)

"

"

"

"

472

(51556)

Pacatativa,

"

"

"

475

(51560)

"

471

" (51561)

"



20.293 *Hylocichla ustulata*

20.294 *Echinosactis*

20.295 "

20.296 "

20.297 "

20.298 "

20.299 "

20.300 *Mammillaria*  
(*Coryphantha*)

20.301 *Mamm. retusa*

20.302 *Mamm. (Coryphantha) pyramidalis*

20.303 *Mammillaria (Coryphantha)*  
= *CORYPHANTHA SOLISII*

20.304 *Mammillaria*

20.305 *Mammillaria*

La Esperanza, Dept. Cundinamarca  
Colomb., W. Popenoe #473 (51565)

Elhambra, Calif #1  
E.C. Rost

Oct. 20, '20

#2

#3

#4

#5

#6

Yayaca, Mex. #1

Octavio Solis

10/14/20

" #2

" #3

San Juan del Rio, Queretaro #4

Cerro de Buenavista, Guerrero #5

San Juan Teotihuacán, Mexico #6



- 20.306 *Mammillaria* <sup>(Coryphantha)</sup> <sub>var.</sub>
- 20.307 *Mammillaria* <sup>var.</sup> *circinata* Zucc.
- 20.308 *Mamm.* <sup>(Coryphantha)</sup> *retusa*
- 20.309 *Mammillaria*
- 20.310 "
- 20.311 "
- 20.312 *Opuntia*
- 20.313 "
- 20.314 *Echeveria setosa* *derenbergii*
- 20.315 " *derenbergii*
- 20.316 *Urbina purpurea*
- 20.317 *Echeveria setosa*

- Tlalpam, D.F. Mex. #7
- O. Solis #8
- Guanajuato #9
- Oaxaca
- Buenavista de Cuellar, Guerrero #10
- Oaxaca #11
- Villa de Guadalupe, D.F. #12
- Valley of the Hondo River, east of  
Roswell, Texas; E.C. Prentiss  
Low hills just west of the station of  
Oro Grande, about 20 miles of El Paso  
E.C. Prentiss  
Mexico - C.A. Purpus Oct. 1919
- " " "
- " " "
- " " "



20.318 *Opuntia littoralis*

20.319 *O. occidentalis*

20.320 *Echinocactus torreyi*

20.321 " *setispinus*

20.322 " *hamatocanthus*

20.323 *Mammillaria Remyana* n

20.324 *Echinocereus blanckii*

20.325 *Mammillaria pycnantha* n

20.326 *Mammillaria*

20.327 *Echinocactus setosus* x *Urbanus*

20.328 *Phyllocactus draperianus*

20.329 *Rhipsalis purpurea*

Between Santa Barbara & Ventura  
California - D.T. MacDougal 10/30/20

On rocky limestone outcrops, 3 mi.  
north of San Luis Obispo on the slopes  
facing southward from Santa Rosa

D.T. MacDougal  
Brownsville, Texas  
Robt. Brownson

10/28/20

11/1/20

" " "

" " "

" " "

" " "

Cerro de El Palo, 1700 m.

Casaca, Mex. <sup>2152</sup> Conzatti 2/21/20

Cerro de San Antonio de la Cal.

1700 m. <sup>Casaca</sup> Conzatti #147 2/18/20

Mexico, C.G. Purpus Oct. 1920

" " "

" " "



20. 330. *Mammillaria longicoma*

331. *Mamm. celsiana*

332. " *pycnantha*

333. " *pseudoperbella?*

334. " *retusa*

335. " "

336. " *rep.*

337. " *karwinskii*

338. *Echinocactus setispinus*  
~~= 20345~~

339. *Echinocereus blanckii*  
~~= 20346~~

340. *Mammillaria scolymoides*

341. " *tuberculata*

342. *Echinocereus*

343. "

Lower Calif. W. S. Kew 1920

Alturas de Papalo, 2100 m.

Cinacatlan, Oaxaca, C. Conzatti <sup>4088 1/2</sup> 10/17/20

Cuesta de Huauclilla, 1800 m.

Nochistlan, Oaxaca 3973 1/2 5/25/20

Do.

3974 1/2

Canteras de Xicotl, Oaxaca

1500 m. C. Conzatti 4093 1/2 10/31/20

Cerro de Placolula, 1650 m.

Dist. de Placolula, Oax. Mex. <sup>3928 1/2</sup> 4/15/20

Cerro San Felipe, 2500 m.

10/31/20

Dist. del Centro, Oax., C. Conzatti 4048 1/2

Canteras de Xicotl, Oax., 1550 m.

C. Conzatti 4092 1/2

10/31/20

San Antonio, Tex. E. D. Schulz Dec. 20

Brownsville

R. R. R. R.

10 mi. S. of Rio Grande } Mexico (Litt. 7 Dec. 7)

4.5 mi. SW of Brownsville }  
Sanderson, Texas MacDougal & Shreve

Dec. 1920



20. 344 *Calumicactus setipinus*

~~345.~~ ~~*Calumicactus*~~ *~*

346. *Epiphyllum cartagense*

347. *" mayoni*

348. *" strictum*

20. 349 *Pediocactus arizonae*

20 350 *Furcraea 'elegans'*

20. 351 *Cactus forficulatus*

Brownsville, Tex. Robt Ramsey 1920

~~See~~ *~*

N. Y. B. G. #24944 (Mason #10)

Wesenberg 1291 (Mey #9)

(Mason #11)

Mey #24938

Dean Tucson Dr. Vorhies 1920

In Greenhouse as to 35730

Origin unknown

Hale Mr Pilkington

1920



- 21.1 Orchid (Pend.)  
 21.2 Echinocactus sp.  
 21.3 Mammillaria pseudoperbella  
 21.4 Echinocactus texensis  
 21.5 Mammillaria  
 21.6 Lophocereus schottii  
 21.7 Mammillaria venusta  
 21.8 Opuntia invicta Brandeg.  
 21.9 Echinocactus peruvianus  
 21.10 Mam. longiseta  
 21.11 Mam. roseana  
 21.12 Pachypurus

Turkey, Haiti, E.C. Leonard # 1732

Brownsville, Texas  
 Root Runyon 12/26/20

Cerro del Rosario, Oaxaca, Mex.  
 C. Conzatti 4098 12/18/20

Salles, Texas  
 J. R. Atkins 12/18/20

Lower California  
 W. S. Kew Dec. 1920

La Juntas on Colorado junction  
 Arroyo ~~San~~ La Junta 11/3/20

Dec. 1920  
 Near Boca de Guadalupe  
 Lower Calif. W. S. Kew

Arroyo Coyote branch of Arroyo  
 Colorado, Lower Calif. W. S. Kew 11/1/20

"Thompson at same to north of here"  
 Cerro Colorado, S.W. of La Junta,  
 Lower Calif. W. S. Kew 11/10/20

Aguaguitos, near San Hilario,  
 Lower Calif. W. S. Kew Dec. 1920



221.13 *Lemaireocereus thurberi*

221.14 *Passiflora rubra* L.

221.15 *Passiflora maliformis*

221.16 *Neobottia paniculata*

221.17 *Pereskia portulacifolia*

221.18 *Harrisia*

221.19 *Cephalocereus*

221.20 *Mammillaria*

221.21 *Wilcoxia poselgeri*

221.22 *Echinocereus*

221.23 *Echinocactus setispinus*

221.24 *Opuntia schottii*

Lower Calif.

W. S. Kew

Dec. 1920

Bank of Cayajana River, Barro  
Mts, Sta. Clara, Cuba, Leon 8/12/13  
Guaduas, Cundinamarca, Colombia

W. Popeuse 1124

Cul-de-Sac, near Port au Prince, Haiti

H. M. Pilkington

"

"

"

"

"

"

Lower Calif., W. S. Kew

Dec. 1920

Brownsville, Texas,

R. Remyon

12/29/20

"

"

"

"

"

"



21.25 Passiflora repens

21.26 Passiflora

21.27 "

21.28 " hirsuta

21.29 Rhipsalis

21.30 Mediosactis

21.31 Epiphyllum

21.32 Cereus ~~epistylus~~ hexagonus

21.33 Acanthocereus

21.34 Rhipsalis  
arborescens

21.35 Oxalis crassicaulis Bacc.

21.36 Tacsonia pinnatifida Jess

Juncy, Haiti; Leonard 4221

" " " 4767

Petionville " " 4979

Coban, Guat,

H. Johnson #213

Cartago, Valle del Cauca, Colombia

W. Popenoe #513

do

#514

Caldas, Colombia

W. Popenoe #515

Cartago, Valle de Cauca, Colombia

#516

do

#517

Near San Miguel, Perdones, Tolima,  
Colombia, Popenoe #518

Peru; Prof. Croker, then D.S. Johnson  
Thick stems, green trifoliate leaf. Leaf stalks  
Nemocón, Andahuamarca, Colombia

Popenoe #1078 9/7/20

Unusually regular, some are green June 26, 1907

Col. at San Gallan, Peru. 1368 ft. by Chant.



- 21.37 *Echinocactus*  
1
- 21.38 *Echinocereus*  
3
- 21.39 " "  
1
- 21.40 *Echinocactus setispinus*  
2
- 21.41 *Mammillaria*  
1
- 21.42 " "  
1
- 21.43 " "  
1
- 21.44 *Echinocereus*
- 21.45 *Echinocactus texensis*
- 21.46 *Mammillaria*
- 21.47 *Mammillaria sphaerica*  
6
- 21.48 *Echinocactus*
- 21.49 " "

- Confederal Ranch, 24 mi. n.e. of  
Brownsville, Cameron Co., Tex. R.D. Camp 12/6/20
- Indios Ranch, 20 mi. n.e. of  
Brownsville, Cameron Co., Tex. 12/1/20
- San Juan Ranch, 25 mi. n.e. of  
Brownsville, Cameron Co., Tex. 12/20/20
- Cameron Co., Tex. 12/1-120
- " " " "
- " " " "
- 10 mi. n.e. of Brownsville, Cameron Co.  
Tex. 11/1-120
- Near Salt Lake in North End of  
Hidalgo Co., Tex., 20 mi. n.w. of Rayfordville 12/12/20
- San Juan Ranch, 25 mi. n.e. of  
Brownsville, Cameron Co., Tex. 12/10/20
- Near Brownsville, Cameron Co., Tex.  
Nov. 1920
- San Juan Ranch, 25 mi. n.e. of  
Brownsville, Cameron Co.
- 10 mi. n.e. of Brownsville, Tex.  
Nov. 20
- Represa, Ranch, 17 mi. n.e. of  
Brownsville 12/19/20



21.50 *Echinocactus*

21.51 *Mammillaria grahamii*

21.52

21.53 *Echinocactus setispinus*

21.54 *Passiflora orbiculata* Cav.

21.55 *Lophophora williamsii*  
"v.v." "challote"

21.56 *Mammillaria multiceps*  
(*M. texensis*)

21.57 *Echinocereus*

21.58 <sup>9</sup>~~21.57~~ *Echinocereus rigidissimus* Rose

21.58 *Mammillaria*

21.59

21.60 *Mammillaria macromeris*

Indio Ranch, 20 mi. n.e. of  
Brownsville P.D. Camp, Nov. 1920

Santa Rita Mts., Ariz.  
V. Bailey 1/1/21

Arizona

Near Brownsville, Tex.  
R. Runyon Dec. 1920.

Parcy, Haiti  
Leonard #4682

Starr County, about 5 miles down  
the Rio Grande from Brownsville City on a  
Cigar Loma. Robt. Runyon 1/23/21,  
20 miles from Brownsville, Tex.  
R. Runyon Jan. 9, 1921.

Continental, Arizona 2/11/21  
Vernon Bailey

Camutillo, Nue. S. L. Patterson 2/22/21  
Tex.

Texas  
Mrs. S. L. Patterson 2/28/21



- 21.61 *Mammillaria macromeris* (form)  
spines nearly all white
- 21.62 *Mammillaria mexicana*  
(3 plants)
- 21.63 *M. tuberculata* (1 plant)
- 21.64 <sup>= *Echinopsis*</sup> *M. tuberculata* form (2 small pls)
- 21.65 *M. lasiocantha* (3 small pls)
- 21.66 *M. macroantha* (1+1)
- 21.67 *Agave antillarum* Desc.
- 21.68 *Mammillaria macdougalii*
- 21.69 *Mammillaria shrevei*
- 21.70 *Echinocactus* <sup>in text no</sup> ~~erectus~~ <sup>*acanthus*</sup>
- 21.71 *Mammillaria shreveana*
- 21.72 *Echinocereus fendleri*
- 21.73 *Mammillaria*

Texas, Camille  
Mrs. S. L. Patterson

Vic. of Mission, Ponds Verettes, Haiti  
E. C. Leonard # 3963.  
Santa Rita Mts., north base apt 12 1/2 / 21  
McCleary Ranch, Arizona, 4000 ft. alt.  
V. Bailey  
do.

Southeastern Ariz. J. W. Gidley  
Mar. 1921



~~21.73 Mammillaria~~

21.74. *Gymnocalycium saglionis*

21.75. *Malacocarpus*

21.76 *Mammillaria shreveana*

21.77 *Echinocactus orcutti*

21.78 *Mammillaria arizonica*

21.79 *Echinocactus rigidissimus*

21.80 " *fendleri*

21.81 *Echinomastus*

21.82 *Mammillaria grahamii*

21.83 *Mammillaria greggii*

21.84 " *meisneri*

Lagunillas, Bolivia

R. L. Forte

July, 1920.

"  
Continental Ariz.

V. Bailey

Mar. 8, 1921

Benson Quadrangle, Arizona

H. A. New Tranch, sec. 28 T 115 R 19 E.

on cret.

grainite, gravel & limestone

Kirk Bryan Mar, 1921,

"

"

"

Huaco Quad, Ariz. S. slope Cross  
Hill, sec. 23, T 16 S R 17 E in  
Chert & Talus, Kirk Bryan 3/5/21  
Huaco Range, 35 mi. east of El Paso, Tex.  
Mrs. L. Z. Patton

Mar. 9, 1921



21.85 Mammillaria

21.86 " tuberculata

21.87 " macromeris

21.88 Mammillaria

21.89 Salvinicereus richenbachianus

21.90 Mammillaria

21.91 ~~Isotria medeolae~~  
diffusum Watson

21.92 " 12

21.93 <sup>2</sup> (91 & 93 = 92. Col. Sept 1921)

21.94 Mammillaria divisa

21.95 Epiphyllum guatemalense

21.96

Guano Mts., 35 miles east of El Paso  
Mrs. S. C. Patterson 3/9/21

"

Sandy flats 30 mi. east of El  
Paso at foot of Guano Range, Tex.

"  
La Mitra at Monterey, Mex.  
R. Runyon Mar. 1921.

Saltillo, Mex.

"  
Mt. El Morado, Monterey, Mex.  
do.

Western Mexico  
R. Runyon Mar. 15, 1921

"

"

San Diego, Calif., C. R. Crout  
Mar. 1921.

Guatemala, A. J. J. J.  
Mar. 1921.



21.96 Mammillaria Texensis

21.97 Echinocactus

21.98 Agave

21.99 Echinocereus pentatophus

21.100 Mammillaria chrysocoma

21.101 Echinocereus pectinatus

21.102 Mammillaria

21.103 Echinocactus texensis

21.104 Echinocactus setispinus

21.105

21.106

Mt. El Mirador, Mex. near Monterey  
A. Runyon Mar. 1921

do.

do.

do. (Summit)

Benson, Ariz.  
J. W. Gilkey

Mar. 1921

do.

On rocks or in black limestone  
soil, near Walde, Texas

S. C. Parman Mar. 19, 1921

Black limestone soil on a  
Juaqueja ridge. S. C. Parman. 3/19/21

Walde, Tex.

Kab. o. loc. do.

Guatemala

H. Johnson #4

" #5



21. 107

108

109

110 *Selenicereus* <sup>Ho-</sup>~~bandmanni~~

111 *Willemia minutiflora*

112

113 *Willemia minutiflora*

114 *Acanthocereus*

115

116 *Hippocrepis*

117 *Opuntia blakeana*

118 *O. phaeocantha*

119 *Echinocactus setigerus* <sup>Chesl</sup>

Guat., H. Johnson #6

#7

#8

#9

#10

#11

#12

#13

#14

—

Jussou, Ariz; D. Griffiths  
the Maricopa

3/21/21

Ariz, Peru  
L. Chesl

Mar 1921



21. 120. *Acanthocereus*

21. 121 *Leuocereus*

122. *Opuntia elatior*

123. *Opuntia elatior*

124. *Echinocereus rigidissimus* <sup>Rox.</sup>

125. *Cactus*

126. *Mammillaria prolifera*

127. *Leuocereus*

128. *Harrisia*

129. *Hylocereus*

130. *Selenicereus*

131. ✓

Pitaya

Abundant at Ciudad Boliviana, <sup>Venez.</sup>

L.H. Bailey #1548

3/15/21

Cardon, forming a large tree-like plant. Bailey #1541

Tunas, <sup>large tree-like</sup>

Bailey #1754.

Tunas.

Bailey #1601

Benson, Ariz.

Mar. 1921

J. W. Bradley

Arid, Western Cibola about Mac  
and Guayubien, 20 mi. East of  
Monte Cristi, San Domingo 3/8/21

W. L. Abbott #

Navarro

Abbott #1096

Mac

Abbott #1040



21.132 *Opuntia*

133

21.134 *Leaophyllum texanum* Rose

21.135 *Manihot carthaginensis*

21.136 *Mam. olivae*

21.137. *Echinocereus fendleri*

21.138 *Opuntia*

21.139 *Mam.*

21.140 *M. goodrichii*

21.141. *Mam.*

21.142 "



W. L. Abbott, S. Drury

"

Brownsville, Tex.  
R. Remon

March 1921

(Mountain, Ariz)

V. Bailey

3/30/21

Northeastern side of the Santa  
Catalina, Ariz. D. J. MacDougal Mar. 21

Old Camp Grant, Wilhelmina Head,  
Ariz. Kirk Bryan  
1015 mi. of Mulege, Lower Calif.  
B. F. Hake

So.

Shores of San Juan Lagoons,  
west of Santa Clara Desert, Lower Calif.  
B. F. Hake



- 21,143 Mam. micrantha  
 144. Echinocereus dasyanthus  
 145. Mammillaria macromeris  
 146. M. neomexicana  
 147. M. tuberculata  
 21,148 Pedrocactus Simpsonii  
 21,149 Mammillaria <sup>18p 114.</sup> pinglei  
 21,150 Echinocactus arizonae  
 21,151 Mam. alvareana  
 21,152 " olivina  
 21,153 " macdougalii  
 21,154 Tillandsia  
 M. red  
 21,155 Tillandsia baileyi  
 Fl. blue (purple)

Kew

- Armitillo Texas,  
 Mrs. S. L. Patterson Mar. 28, 1921  
 "  
 "  
 "  
 "  
 "  
 Casper, Ky.  
 J. A. Holmes 1921  
 Tucterango, Mex.  
 Carlos Reiche 4/1/21  
 "  
 Mesa Continental, Ariz.  
 V. Bailey April 21  
 "  
 "  
 "  
 Brownsville, Texas;  
 H. D. Camp 4/8/21  
 "



21.156. *Mammillot*

21.157 *Euphorbia veruifolia* L.

21.158 *Mamm. shreveana*

21.159 *Echinocactus erectispinus*

21.160 *Echinocereus fendleri*

21.161 *Mamm. grahamii*

21.162 " "

21.163 " "

21.164 *Pediosactus arizonica* n. sp.

21.165 *Mammillaria arizonica*

21.166 *Cycas circinalis*

21.167 " *revoluta*

Brownsville, Texas

4/8/21

R. O. Camp,

Jardines de la Hacienda, San  
Francisco Miramar; very nice.

600 m. alt. Guat. A. Jonding 3/15/21

1 mi. s.w. of Benson, Ariz. 4/4/21  
J. W. Gidley

"

"

"

"

"

"

Base of Galena (?) Mts, about 7 mi.  
N.E. of Arevaya School-house, Whitehouse, Ariz.

"

"

Continental, Arizona.

V. Bailey

April 1921.

"

"

Grand Canyon, Ariz., near Aceto  
at El Tovar, G. E. Miller, Jr. Oct. 1920.  
Tampa, Fla. (at residence of Mr. Wall of  
firm of Knight & Wall) March 15, 1921.

by A. D. Jackson



21.168 *Selaginella eremophila* Mawson  
(W. R. M.)

21.172 *Abervillea*

21.170 v

21.171 =

21.169

21.173 *Mammillaria swingleyi* W. R. M.

21.174 *Mamm. divica*

21.175 *Echinocereus scopulorum* (W. R. M.)

21.176 *Echinocereus maritimus*

21.177 *Mammillaria*

21.178 *Mammillaria deserti*

21.179 *Opuntia occidentalis*

21.180 *O. prolifera*

Palm Springs, Calif.

Edmund C. Jaeger

April 1921.

R. Runyon

Brownsville, Tex. April 1921

B. P. Rebo, Oaxaca, Mex. Apr. 1921

"

"

"

"

"

"

Islands, Guaymas, Mexico

J. M. Johnston #3086 Apr. 14, '21

Ensenada, L. C., on bluffs.

"white"

#3006

4/7/21

On hills, Guaymas,

#3103

Apr. 14, '21

Ensenada, L. C.

Carpenter on bluffs #3007

4/7/21

Alhambra, Calif.

E. C. Root

4/12/21

"

"

"

Southern Calif.

Gerritt Miller

April '21

"

"



21.181 *Echinocereus lugelmannii*

21.182 *Echinocactus*

21.183 *Mammillaria fasciculata*

21.184 *Mamm. grahamii*

21.185 *Tillandsia muscoides*

21.186. "

21.187 *Cactus broadwayi* R. & R.

21.188 *Mammillaria aphaerica*

21.189 *Echinocactus setispinus*

21.190 *Leuophyllum Texanum*

21.191 *Mammillaria*

21.192 *Mamm.*

alt. 2830 ft.  
Southern Calif. Jacumba Hot Springs,  
Gerrit Miller Apr. 1921

" " "

Forest Shave

Basins of Sierra Mtn 20 mi. sw. Tucson 4/20/21  
Winkelman Quad., sec. 5 T 7 S R 17 E  
Gravel hills, north of Asawaipa Creek Ariz.  
elev. 3000 ft. - Herb Bryan Apr. 19. '21.

Brownsville, Texas  
R. D. Camp

Jobago,  
W. G. Freeman

Brownsville, Texas  
R. D. Camp

Apr. 1921.

"  
Guerrero, Mexico, Solis

Apr. 1921

Oaxaca, Mex., Solis



21. 193 *Pediocactus simpsonii*

194. *Mammillaria*

195. *Mammillaria*

196. *Mamm. ~~guthriei~~ grahamii*

197. *Echinocactus lecontei*

198. *Echinocereus engelmannii*

199. *Echinocactus*

200. *Mamm. tetramicista*

201. *Thurberella ludlowi*  
Vine, fls. yellow, fr. red

202. *Talinum discolor*  
Herb or vine, fls. yellow, fr. red

203. *Portulaca pilosa*

204. *Cooperia*

Casper, Wyo., Joseph A. Holmes 2<sup>nd</sup>  
May 1921.

~~G.~~ Lower California

Clifton R. Swartz

May 1921

San Antonio, Tex.

Allen D. Schulz

May 1921

Sacaton, Ariz.

W. F. Gilpin

May, 1921.

"

"

"

"

Bard, Calif.

Loren G. Polhamus

"

"

"

"

Brownsville, Tex., light sandy soil on high land

30 m.

R. Runyon #4

5/8/21

"

"

well drained sandy soil

R. Runyon #6

5/8/21

"

hab. do.

"

#5

"

hab. do.

"

#7

"



21. 205 *Echinocereus pecten* Ag. 11/1/21
21. 206 *Opuntia parvifolia* Griseb.
21. 207 *Mylocereus serpentinus*
21. 208 *Heliocereus speciosus*
21. 209 *Echinopsalocactus*
21. 210 *Trichocereus lamprochloae*
21. 211 - *Opuntia* (5)
21. 212 *Opuntia basilaris*
21. 213 *Opuntia* (5)
21. 214 *Echinocereus nudiflorus* (4)
21. 215 *Pediocactus simpsonii* (4)
21. 216 *Opuntia*
21. 217 "

Orcutt Arizona, D. T. MacDougal May 6/21

Mountain Edge of Mojave Desert, Calif.  
Pinon Wells, 4000 ft. P.A. Murray 5/1/21  
Mexico, D. F., Mexico  
C. Reiche 5/10/21  
do.

San Gabriel, Calif.  
Wm. Hertwich, 5/12/21  
Tunuyan, Mendoza, Argentina  
W. B. Alexander March 22, 23, 1921  
Woodpark, California  
D. T. MacDougal May 24  
" "

R. V. "Pickett"  
Edgewater, Colorado, May 1924  
" " " "

Quaila 72, Fla.  
Small + Lachmiller 48939 Apr. '21  
Barnes, Atlantic Beach, Fla.  
Small + Lachmiller 48933 Apr. '21



21.218 Opuntia

21.219 Opuntia

21.220 Opuntia

21.221

21.222 Echinocereus

21.223 Opuntia

21.224 " Tomentosa

21.225 Mam. rhodantha

21.226 Echinocactus

21.227 Agave

21.228 Echinocactus

21.229 Echinocereus

21.230 Cissurus marza Desmoul  
My specimen leafy stem # 49669 14/22.

49630  
Dunes Atlantic Beach, Fla.  
Small o-belt in belt Apr. 1921  
Shellmound, Ft. George Id., Fla.  
do. 48934 do.

St. Mary's Is.  
do. 48940 do.

Pilot Is., Fl.  
do. 48935 do.

Near Mexico City, C. Reiche May, 1921

" " "

" " "

" " "

" " "

" " "

Comary Co.  
Green Is., Texas (Lyford?) 7/27/21  
Rt Camp 30 mi. north of Point Isabel

" " "

" " "



21.231

21.232

21.233 *Mammillaria*

21.234 *Opuntia*

21.235 *Hylotea*

21.236

Orchid "purple red rock orchid"

21.237

Orchid

21.238

Orchid

21.240 *Impatiens*

21.239 *Epiphyllum*

21.241 *Selenicereus*

21.242 *Mammillaria*

21.243 *Hylotea*

Green Is., Cameron Co., Tex.  
R. D. Camp. 5/27/21

Samana Peninsula, near Cape  
Samana, S.D. W. T. Abbott April 1.

South side, Samana Bay  
W. T. Abbott  
Cape Samana

Lat. Abbott 1085  
Mar. 27, 21  
Lo. Papeete  
W. Papaua

XXX C. Conzatti  
Oaxaca, Mex.

XXV " "

XXVI " "

XXVII " "



21.244 *Aporocactus conzatti*

21.245 *Selenicereus*

21.246 *Opuntia*

21.247 *Mamm. vivipara*

21.248 *Bergerocactus emoryi*

21.249, *Mamm.*

21.250. *Mamm.*

21.251 *Echinocactus texensis*

21.252 *Polanthes tuberosa*  
det. flowers

21.253

21.254 *Echinocactus viridiflorus*

21.255 "

21.256

XXVIII C. Conzatti  
Oaxaca Mexico

XXX a. Ruth  
Polytechnic Texas,  
Edgemoor, Colo.

R. V. Pickett  
Coronado Is., Mex., off San Diego,  
Calif. S. S. Miller, Jr. 6/8/21

" " 300 ft. alt.  
Mt. Springs, Imperial Co., Calif.  
S. S. Miller Jr. 6/4/21

Near Brownsville, Tex.  
R. Runyon

Cliffs near ocean, north of Ensenada  
Lower Calif. E. C. Rost #101 Jan 1921  
(Dict. Thimont) #102

Coast Range between La Jolla & San  
Diego, Calif. E. C. Rost #51  
Mts. east of Ensenada, L. C.  
E. C. Rost #55

(same data as 21.252)  
E. C. Rost #103



21.257

21.258 7

21.259

21.260 *Echinocactus*

21.261 "

21.262 "

21.263 "

21.264 "

21.265 "

21.266 "

21.267 "

21.268 "

21.269 "

Hills above Jijirana, Mexico June 1921  
(Near U.S.-Mex. Bdry) E.C. Rost #53

Coast hills between La Jolla  
& San Diego, Calif. E.C. Rost #52

Mts above (east of) Ensenada, L. Calif.  
E.C. Rost #54

Palm Springs Canyon, 3 mi., S.E. of  
Palm Springs, Calif. Rost #1

10 miles east of Palm Springs to  
10 miles north, Rost #3.

Jacumba, U.S.-Mex. Bdry  
Rost #4

20 mi. east of Jacumba  
Rost #11

Devils Canyon, between Jacumba  
& Coyote Wells, Calif. Rost #5

Chocolate Mts., N.E. from Wylano  
Calif. Rost #8

Eastern slopes, Chocolate Mts, Calif.  
Rost #10

Superstition Mt., between Imperial  
Valley & San Diego (near Mex. line) Rost #6

Southern slopes of Mt. San Jacinto  
Calif.; E.C. Rost #7

Do. Rost #2



21,270 Echinocactus

21,271 "

21,272 "

21,273 "

21,274 "

21,275 "

21,276 "

21,277. Echinocereus dasyacanthus

21,278 "

21,279 Mammillaria

21,280 Mam. <sup>dasyacantha</sup> ~~tuberculata~~

21,281 Echinomastus dasyacantha

Painted Hill, north side of  
Coachilla Valley, Calif. - Rost #9  
Chuckawalla Mts., (Colo. River side)  
Calif., Rost #26

Between Shavers Fork & Blythe,  
Calif., near Colo. River Rost #27  
White Water River, Calif.

Rost #25  
East of White Water River, toward  
Indio, Calif. E.C. Rost #29  
Mts. above La Jolla, Calif.  
E.C. Rost #50.

Jacumba (on U.S.-Mex. Bdry.)  
E.C. Rost #12

Camtello, Tex.  
Mrs. S. T. Patton

6/16/21

"

"

"



21.282 *Epithelantha micromeris*

21.283 *Echinocactus horizontalis*

21.284 *Mammillaria dasyantha*

21.285 *Coryphantha mulsfordii*

21.286 *Pasiplora sexflora*

21.287 *Pasiplora hastata*

21.288 *Mammillaria*

21.289 *Echinocereus*

21.290 *Opuntia*

21.291 *Opuntia*

21.292 *Opuntia penicilligera*

21.293 *Dudleya*

Acuña, Tex.

Mr. St. Purton 6/16/21

"

"

Mex.

Zacapan, C. G. Purpus #1 June 21

" Mex. " #2 "

Rocky hillside, 15 mi. north of  
San Antonio, <sup>Let. E. D. Schuy</sup> 6/20/21

Verde Mesa, Colo. June 21

Dr. Pawber

80

80

W. B. Alexander

Argentina

On rocks at edge of small stream,  
above Idyllwild, Riverside Co, Calif.  
alt. 5500 ft. G. S. Miller, Jr. 6/20/21



21,294 *Dudleya* *hallii* Ruel (herb sp. NY) 6

21,295 *Dudleya* 3

21,296 *Mammillaria grahami* 2

21,297 " " 1

21,298 *Echinocereus coccineus* 2

21,299 *Opuntia* 1

21,300 " 1

21,301 *Mammillaria complanata* 1

21,302 *Echinomastus dasycanthus* 4

21,303 *Mammillaria schottii* 3

21,304 *M. dasycantha* 4

21,305 *Dioecia*

21,306 *Sedum rupestris* 14

Yellowed, Riverside, Co Calif.  
G.S. Muller, Jr. 6/20/21

"  
Tucson, Ariz.  
Mrs. Chas. Bly 6/29/21

MT. Harqua Hala, Ariz.  
Fred A. Greeley June 1921

" " "

" " "

" " "

San Francisco City, D.F.  
O. Reiche June 1921

San Mateo, Texas  
Mrs S J Patton 6/27/21

do.

do  
Trinidad

Dr. Seaver 1921  
Sugarloaf Mountain, N.M. July 1921



- |        |       |                              |   |
|--------|-------|------------------------------|---|
| 21.307 | Mamm. | <i>calochirra</i>            | 2 |
| 21.308 | "     | <i>macromeria</i>            | 1 |
| 21.309 | "     | <i>glochidiata prolifera</i> | 1 |
| 21.310 | "     | <i>weldii</i>                | 1 |
| 21.311 | "     | <i>odieriana</i>             | 2 |
| 21.312 | "     | <i>vetula</i>                | 1 |
| 21.313 | "     | <i>granululigera</i>         | 2 |
| 21.314 | "     | <i>glochidiata crinita</i>   | 2 |
| 21.315 | "     | <i>seideliana</i>            | 2 |
| 21.316 | "     | <i>gracilis pulchella</i>    | 2 |
| 21.317 | "     | <i>schmidtii</i>             | 2 |
| 21.318 | "     | <i>schelhaseni</i>           | 1 |
| 21.319 | "     | <i>wattoni</i>               | 1 |

2 L. Buehl (Kell, Saale, Germany) 6/21/21

Erfurt, Germany  
Haage & Schmidt

June 1921



21,320 Mann. donatii 2

21,321 " elongata stellata 2

21,322 " delatiana 2

21,323 " onocera 2

21,324 " kewensis 1

21,325 " bocasana 2

21,326 ~~Chamaecrista~~ crueacantha 3

21,327 Dudleya longicoma (herb sp. <sup>nn</sup>) 6

21,328 Dudleya pulchellula 2

21,329. " 3

21,330. Opuntia littoralis 1

Erfurt, Germany,  
Haege & Schmidt

June 1921

Near Big Salt Lake, Hidalgo Co., 65  
mi. n.w. of Brownsville, <sup>21</sup> ~~the~~ Rio <sup>Aug</sup> ~~camp~~  
Laguna Beach, Orange Co., Calif. 7/9/21  
On low bluffs, growing in the edges of  
tangled mats Eriogonum, apparently never  
in directly open situation. G. S. Miller,  
San Juan Bautista Canyon, near  
San Jacinto, Riverside Co., Calif.  
G. S. Miller 6/30/21  
Catalina Is., Calif. 7/6/21



21,331 *Hamatocactus* 12

21,332 *Mamifida variegata* 3

*Rimynia longiflora* Remy

21,333 *Mamifida* (fruit of #21,322) 2

21,334 *Mammillaria* 3

21,335 *Echinocereus rigidissimus* 2

21,336 *Opuntia polyacantha* 2

21,337 *Cooperia* sp.  
(type locality)

21,338 *Mam. grahamii* 3

21,339 *Echinocactus lecontei* 2

21,340 " *geranthioides* 1

21,341  
"light yellow blossom"

21,342  
"has more blossoms"

21,343 *Mammillaria arizonica* 4

Reynosa, Mex. (75 mi. <sup>from</sup> ~~above~~ Brownsville, Tex.) R. Remy #8 July 21  
Brownsville, Tex.

" " #10

Reynosa, Mex. #9

Thicket grass west of Panguitch, Ariz.  
near Tucson 14th. Shanty 5/30/21  
Tucson, Mont.

James S. Holmes 7/11/21

Monterey, Mex. 7/15/21

R. Remy

Phoenix, Ariz.

S. S. Miller 7/21

" "

" "

Grand Canyon Ariz.

J. H. Perriss 7/18/21

Campana, Mex.

Mrs S. L. Patton July 21

" "

" "

Base Hornethead, Grand Canyon, Ariz.

J. H. Perriss July 1921



- 21.344 *Coryphantha recurvata* 3  
 (fl. yellowish-green)
- 21.345 *Mammillaria strepera*
- 21.346 *Echinocereus*
- 21.347 *Manfreda variegata* 1  
 (ny)
- 21.348 " 2
- 21.349 *Telium patens*
- 21.350 *Cissus morsa* Dormer
- 21.351 *Mammillaria muscivora*
- 21.352 *Mammillaria* 2
- 353 " var. 2
- 354 *Echinocereus grandis* 1
- 355 *Mammillaria* 1
- 356 *Echinocereus engelmannii* 1

15-18 miles west of Nogales, Ariz.  
 T. J. Dyer 7/16/21  
 So.

Do.  
 La Consuelo Ranch, 20 mi. S. of  
 Matamoros, Mex. R. Runyon #11.

Do. #12

Do. #13

North end of valley, Townsend, Mont.  
 4000 ft. alt. James S. Holmes 7/28/21

Volcanso Island, L.A. 4/17/21

Ivan M. Johnston 3/21

" " 3122

" " 3137

Puerto Refugio, Angel 9- 3369  
 5/1/21

Los Angeles Bay, L.A. 3445



21.357 *Echinocereus* 2

358 *Echinocereus grandis* B. & P. n. sp. 3

359 *Mammillaria* ~~nauseosus~~? 3

360 " 2

361 " 1

362 *Echinocereus brandegei* (Covet.) 1  
calum.

363 *Mammillaria* 1

364 " *albicans* 3

365 *Echinocereus brandegei* (Covet.) 1  
calum.

366 *Mammillaria albicans*? 2

367 " n. sp. 3

368 " 1

Los Angeles Bay, Lower Calif.

Wash. Johnston

3446

San Lorenzo Is.

3541

San Carlos Bay Is.

4373

"

3543

~~Marques Bay, Canaan Is.~~

Marques Bay, Canaan Is.

3833

Danzante Is. 5/24/21

3858

Mouerrate Is.

3864

Santa Cruz Is.

3912

" "

3913

San Diego Is.

3923

San Francisco Is.

3943

Espirito Santo Is.

3985



21. 369 *Tradescantia heterophylla* Broff (1)  
med.

370 *Bartschiella schumannii* BoR.  
63

371 *Mammillaria johnstonii* n. sp.  
red mark (10)

372 " 1

373 " 1

374 " 1

375 *Mammillaria* 2

376 " 2

377 *Echinocereus grandis* BoR. 1

378 *Mammillaria* 2

379 *Echinocereus saopulorum* BoR.

380 " " 1

Espiritu Santo Is. <sup>Lower Calif.</sup>

La Paz <sup>F. Johnston</sup>

Cerralbo Is.

"

Catalina Is.

Marcos Is.

Tortuga Is.

"

San Lorenzo Is.

San Pedro Bay

San Pedro Bay, Sonora

San Carlos Bay, "

3987

4017

4038

4058

4099

4179

4186

4187

4198

4290

4291

4344



21. 381 *Mammillaria* <sup>johnstonii</sup> ~~neodongolii~~ Roe

382 *Mammillaria*

383 *Dudleya albiflora* Roe

384 *Echinocereus engelmannii*

21. 385 *Mammillaria daryacantha*

21. 386 *Mam. yucatanensis*

21. 387 *Euphorbia macroglypha*  
Seed destroyed

21. 388 *Hylocereus undatus*

21. 389 *Mammillaria gausei*

21. 390 *Hylocereus*

21. 391 *Selenicereus donkelarii*

San Carlos Bay, Sonora

4373

Bow. Calif. F. Johnston

San Lorenzo Is.

no number

—

no number

San Pedro Bay

4374

Near El Paso, Tex

July '21

Mrs. S. C. Patton

Rare on roadside of marshes

Puebla. Fls. very small, rose,

fruit oblong, bright red. Gummer 24367

Agua Caliente, Yucatan

Gummer 24373 20 ft. high, 8 ft. diam

Acacah, Yucatan (climb to top of

Gummer 24368 (on palm tree)

Poltzacans, Yucatan

Fls. pale greenish-cream, on sand dunes

Agua Caliente, Yucatan; very long cactus

Gummer 24366

Chacab, Yucatan. Mesocarp bright red

Thrive best on Alamo tree 25-30 ft.

Gummer 24369

Acacah, Yucatan, Gummer 24370

Fls. large cream-colored. Fruit purple-red edible



21.392 *Pereskopsis scandens*

21.393 *Euphyllium*

21.394 *Mammillaria*  
*Escobaria* sp.

21.395 *Mammillaria sphaerica*

21.396 "

21.397 " *chrysocoma*

21.398. ~~*Echinocactus*~~ *Mammillaria*

21.399 *Mamm.*

21.400 *Mamm.*

21.401 *Pedicularis*

21.402 *polyacantha*

Yucatan, Gummer 24372

Tabuot, Yucatan, Gummer 24371  
Fris. crimson, fls. cream - color, 8 in. long,  
climbs trees 30 ft. high.

Rio Grande, Starr Co., Texas. 200 ft.  
R. Runyon #16 8/10/21

Co.

" #14

"

" #15

5 miles east of Nogales, near Mtl.  
line (in U.S.) in flat ground alt. 4500 ft.  
H. J. Trefren #1 Aug. 1921

8 mi. east of Nogales, in sloping  
ground, good soil, 4300 ft alt.  
H. J. Trefren #2

8 mi. east of El Paso, in  
Guadalupe Mts., Texas, near St. Patrick  
Rocky flats 10 mi. east of El Paso,  
at foot of Mt. Franklin, Tex. Patrick  
open plains at Badland south of El Paso  
H. J. Trefren Aug 1921



- 21.404 *Echinopsus turbinata*  
 21.405 *Gymnocalyx denudatum*  
 21.406 *Mammillaria mundtii*  
 21.407 *Cereus flagelliformis*  
 21.408 *Cereus flagelliformis*  
 21.409 *Mammillaria pseudopectinata*  
 21.410 *Opuntia polyacantha*  
 21.411 *Echinocereus viridiflorus*  
 21.412 *Opuntia*  
 21.413  
 21.414 *Opuntia*  
 21.415 *Echinocereus viridiflorus*  
 21.416 *Opuntia*

Sent by Mundt.

9/1921

Sugar City, Colorado

A. A. Hansen (collected by Mr. Papik)

Prest Bridge, Prince George Co. Md.

On pure sand 2 mi. from Taluxent R. W.P. Maxon

Leaman Place, Pa.

H. Ulises

9/9/21

Alpine Laboratory, Manitou, Colo.

Goldsmith



21.417 *Mammillaria dioica*

21.418 *Mammillaria pseudoperbella*

21.419. " *polyedra*

21.420 "

21.421

21.422 *Aporocactus*

21.423 *Mamm. missouriensis* 4

21.424 " *vivipara* 7

21.425 " " 3

21.426 *Echinocereus coccineus* 1

21.427 " *triglochatus* 5

21.428 " *viridiflorus* 6

Near Rancho San Antonio del Mar,  
a few miles, north of Colnett Pt., on  
west coast Lower Calif. 5165 South  
of San Diego, Calif. 8/12/21  
W. S. Kew.

Cerro San Felipe, Baraca, Mex.  
C. Conzatti #4141. 8/16/21

" 4140

" 4143.

" #4151

" #4152

Townsend, Mont. 8/17/21

J. S. Holmes

"

"

Edgewater Colo  
R. V. Pickett

Sept 21  
1921

"

"

"



21,429 *Opuntia*

21,430. *Cereus*

21,431 "

21,432 *Selenicereus pruigleyi*

21,433 " "

21,434 *Cereus serpentinus strictus*

21,435 " *scleranthii* Tur. ottom.

21,436 " *grandiflorus* Miers

21,437 " *crassus*

21,438 " *uniflorus*

21,439. *Cereus* sp. nov.

21,440 " *beckmannii* Otis

Polytechnic, Texas

Zarapa, Gerat.

H. Weingart

Zarapa " "

?

" "

" "

(To this from Cuba)

Weingart, Germany

Haiti " "

Columbia



21.441 *Selenicereus*

21.442. " *grandiflorus*

21.443 *Cereus*

21.444 " *serpentinus* Lag. type

21.445 *Selenicereus*

21.446, *Cereus boeckmannii* Otto & M.

21.447. " *taumannii* flavispinus

21.448 " *grusmannii* Lag.

21.449 *Mylocereus hirschii* L.

21.450 *Cereus kühni* Hoffm.

21.451 *Cereus superbus* Ehrenb.

Haiti

from W. Wiegand, Germany #17

St. Thomas

#23

from Cde, Hamburg

from W. Wiegand

#43

"

#7

"

#10

"

#11

"

#13

"

#4

"

#28

"

#31

"

#29



21,452 *Cereus*

Seeds

21,453 *Cereus*

Seeds

21,454. *Cereus peruvianus*  
leafy stem

21,455. *Selenicereus masonii* R+B.  
Dead

21,456 *Cereus martianus*

21,457. " " ♀  
\**Phyllocactus cichlaui* ♂

21,458. *Selenicereus pothii* sp. n.

21,459. *Cereus humilis*

21,460 *Cereus*

21,461. " *vaupelii*

21,462. " *humilis*

21,463. " *flagiformis*

Zorapa Guat., H. Weingart

# —

# 35

Parasa

# 38

# 37

# 20

# 5

Paraguari Paraguay, C. Grop.  
Lth. W. Weingart

# 19

# 29

Haiti

# 18

# 25

Mexico; C. A. Purpus

# 2



- 21.464 *Cereus ambiguus*
- 21.465 *Cereus*
- 21.466 *Cereus irradicans* Tem.
- 21.467 *Epiphyllum* n. sp.
- 21.468 *Myctocereus lurchitians*
- 21.469. *Epiphyllum grandilobus* 1  
W. W. W. W.
- 21.470. " n. sp. 1
- 21.471 *Opuntia macrohiza* Engelm. 3
- 21.472. *Echinocereus coccineus* 1
- 21.473 *Opuntia hystricina* 1
- 21.474 *Opuntia pallida* 2
- 21.475. ~~Cereus~~ *Alamosoa* 2
- 21.476 *Cooperia pedunculata*

Palmer ~~W. W. W.~~ #30

" #1

" #3

San José C. Rica  
C. W. W.

Ureana  
W. W. W. #28

El General, Costa Rica  
C. W. W.

" "

Near Trinity River, Tarrant Co., Tex.  
Albert K. W. 10/11/21

Flagstaff, Ariz.  
Jas. H. Davis Oct. 21

Mexico; C. R. W. 1921

Brownville, Tex.  
R. R. W. #18 10/13/21

" #17



21.477 *Mammillaria arizonia*

21.478 " *sphaerica* (fruit)

+  
21.479 *Peniocereus johndrowii*

*Suda/Bachm.*  
21.480 *Echinocactus graessneri* 3

21.481 *Echinocactus levinghamii* 3

21.482 *Mammillaria meracantha* 1

21.483 *Echinocereus viridiflorus* 2

21.484 *Mamm. radiosa* 3

21.485 *Echinocereus*

21.486 *Opuntia trichophora*

21.487 *Orabia latoides* HBK.

21.488 *Neotrideaea barfili* 1

21.489 *Cooperia* 2

Walnut Co. Cliff ruins. Aug. 10/16/21

J. H. Dennis

Brownsville, Tex.

R. Runyon

San Josep Is., Lower Calif.

J. M. Johnston 3940

Kaage & Schmitt

Camutillo, Tex.

Mrs. S. L. Patton

Ecuador; Rowlee

Reynosa, Mex.; limestone hills

R. Runyon #20

#21



21.490 *Eriobaria runyonii*

21.491 *Cactus broadwayi*

21.492 *Echinocactus*

21.493 *Sedum spatulifolium*

21.494 *Echinocereus barleyi* (Raz) (4)

21.495 *Echinocereus viridiflorus* (6)

21.496 *Mammillaria grahamii* (4)

21.497 *Echinocereus scheeri*

21.498 " *barcena*

21.499 " *dubius*

21.500 " *glycymorphus*

21.501 " *spinibarbis*

21.502 " *poselgerianus*

Reynosa, Mex. (limestone hills)  
P. Runyon #19 11/1/21

Grenada, B. W. I.

R. O. Williams John Bravel  
St. Thomas, Nevada.

Near Victoria, B.C. Saanich Inlet  
G. S. Miller Oct. 1921.

Wichita Natl Forest, Cache, Okla  
Frank Rush 11/9/21

Colo. Springs, Colo.  
S. W. Goldsmith 11/9/21

Tucson, Ariz.  
Arthur Barton 11-1-21

Erfurt, Germany  
Haage & Schmidt 11-1-21



21.503 *Echinocereus ehrenbergii*

Hager & Schmitt

Nov. 1921

21.504 " *enneacanthus caninus*

21.505 " *leouensis*

21.506 *Echinocactus brinckhausii*

21.507 " *mihanoviichii*

21.508 " *platensis*

21.509 " *harelbergii*

21.510 " *ourselianus*

21.511 *Sedum*

21.512 *Echinocactus polycephalus*

21.513 *Coryphantha chlorantha*

21.514 *Phellosperma tetracincta* (Engelm.)

21.515 *Opuntia racinocarpa*

21.516 " *crucata*

Hort. Bot. Berol. (ca. 1910)

Good Springs, Nev.  
D. J. Hewett #1

# 2

# 3

# 4

# 4a



21.517

21.518 *Iberiella*

21.519 *Mammillaria grahamii* 2

21.520 *Echinocereus engelmannii* 2

21.521 *Opuntia basilaris* 1

21.522 *Mammillaria arizonica* 3

21.523 *Phyllocactus pittieri* 1

21.524 *Epiphyllum striatum* 3

21.525 *Phyllocactus carthaginensis* 2

21.526 *Epiphyllum*

21.527 *Mammillaria appplanata* 1

Arizona

R. Runyon - Texas

Peash Spring trail to Grand  
Canyon, Aug. J. H. Davis

Costa Rica, C. Weisble 11/-121

Oaxaca Mexico

C. Conzatti

Pearsal, Texas

D. C. Porman

bottom of the Prio River, 4 mi. n. w. of

Pearsal in the heavy brush near

river channel.

11/-121

11/23/21



21.528. Mammillaria

21.529. Acanthocereus merriamii 1

21.530. Hylocereus 1

21.531. Dudleya 3

21.532. Perocactus lecontei 2

21.533 Mammillaria grahamii 1

21.534. Pinus arbo

21.535 arbo

(Cuscutaceae)

21.536 Mammillaria grahamii 2

21.537 Echinocereus engelmannii 1

21.538 Echinocactus lecontei

21.539. Echinocereus coccineus

21.540. Opuntia

? W.S.W. Kew Nov. 1921

Baraca, Mexico  
B.P. Rebo. Nov. 1921

Yucca, Arizona  
Mrs. Chas. Bly

Northwestern Arizona  
J. H. Perrine #24

West side of Patman Mts., Ariz.  
J. H. Perrine 26

Keams Canyon Arizona  
L.H. Dudley Buxton (2) Nov 18, 21  
Hopi Mts

(31)



21.541 *Opuntia*

21.542 "

21.543 "

21.544 "

21.545 *Mammillaria tetraonta*

21.546 *Perocactus lecontei*

21.547 *Echinocactus polycephalus*

21.548 *Perocactus acanthodes*

21.549 *Opuntia ramorissima*

21.550 *Mammillaria*

21.551 *Echinocereus engelmanni*

21.552 *Dudleya*

21.553 *Agave*

1 ~~leams~~

~~leams~~ Canyon, Ariz.  
T. H. Dudley Burton (4) 11/18/21

" (5)

" (6)

" (7)

Oatman, Ariz.

J. H. Perriss #30

12/6/21

Topock, Arizona

J. H. Perriss #32

12/5/21

California

J. H. Perriss

Dec 1921

Independence Mts, 3 miles north of  
Barby station, Calif. J. H. Perriss #34

Between Kingman & Aubrey, Calif.  
Perriss #35 Dec 21

In volcanic soil, 12 mi. east of  
Aubrey Calif., near old Horail Highway  
J. H. Perriss #36 Dec 21

Yucca, Ariz.

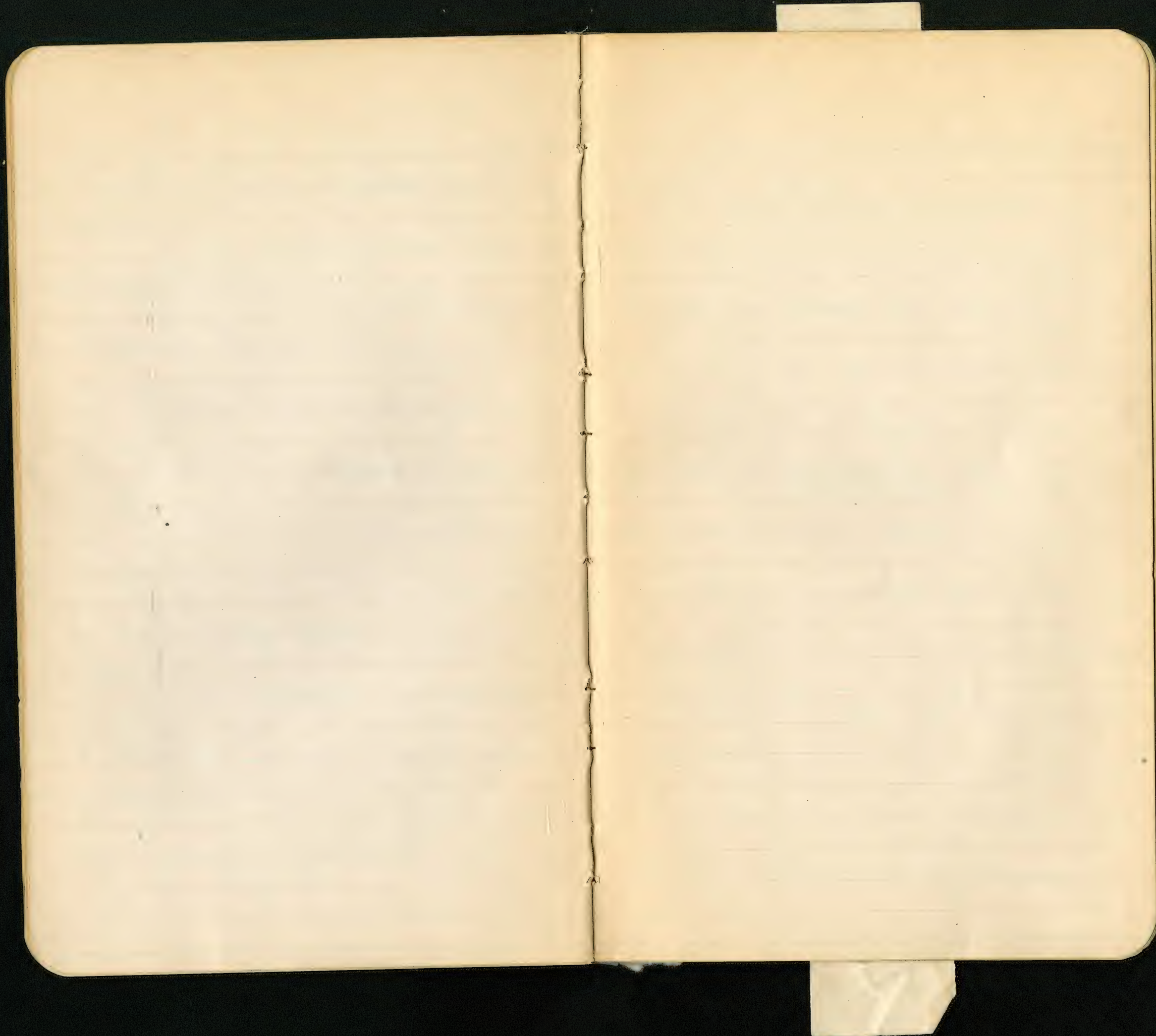
Mrs. Chas. Bly

12/20/21

"

"







Ehrenpreis.

# Nachnahme

**Walter Mundt**  
Kakteen-Export \* Kakteen-Import  
Mahlisdorf-Berlin.



Gold. Medaille.



Pr.

of

**WIK.**

MK.

Presidential Message 14p 00c

low-pitched, low-pitched  
high-pitched



1922 - 1924

*Echinops serotinus ?*  
light red

*Mam. Minchinii*

*Mam. brevispecta*

*Echinops curvicaulis*



121

22

May.  
25/21

1

22.306

Encott 1822:1327

Pravilina

near Magdalena Stn.

under mesquite tree



24.500

Mam.

magatlanensis Mt.

echl'

22<sup>(15)</sup> 307

Orcutt 1922: 1273

Mamillaria grahami ?

Magdalena Sonora

22 306

Orcutt 1922: 1327

Mamillaria

near Magdalena Son.

under mesquite tree



283

JAN 1 1922

WEEKLY  
OFFERING \$.....

—FOR—

**CURRENT EXPENSES****First Baptist Church,**  
TUCSON, ARIZ.

"Upon the first day of the week let every  
one of you lay by him in store as God hath  
prospered him."—1 Cor. 16: 2.

NAME .....

PAT JAN 2 '12

JAN 1 1922

283

WEEKLY  
OFFERING \$.....**A STREAM OF MONEY**

—FOR—

**MISSIONS**

This will be distributed in accordance  
with the missionary budget authorized by  
the church unless contributor shall direct  
otherwise.

NAME .....

DUPLIX-RICHMOND VA

TT &amp; TOWNE

le of

VEGA COATED

ITE

— 100

— 120

to Ream



121

22

may

25/21

1



1922

22.1 Cocos weddelliana

22.2 Mammillaria grahami

22.3 " *mammillaria* *candida*

22.4 "

22.5 "

22.6 "

22.7 "

22.8 "

22.9 Lemniscoceros benckeii

22.10 Opuntia

22.11 Mammillaria elegans

22.12 " rhodantha

22.13 Coryphantha humilis

22.14 Opuntia vulgaris

22.15 " aurantiaca Lindl.

San José, Costa Rica C. Warble 12/15/21

Sierra Seri, Sonora, Mex. 1/2/22  
C. Sheldon

Buenavista de Cuellar, Guerrero, Mex.  
C. Muñoz #1 11/25/21

" #3

" #6

" #4

" #5

" #2

Ignala  
Mexico, ~~Chiapas~~  
C. Reiche

Jan 22

"

"

"

Isa Martin Garcia, Argentina, No. 3  
A. Castellanos 10/30/21

La Colonia, Uruguay No. 5  
50 12/18/21



- 22.16 *Rhipsalis lumbricoides* Lem.  
 22.17 *Malacocarpus mammulosus* (Lam.) B. & P.  
 22.18 " *ottonis* (Lam.) B. & P.  
 22.19 *Opuntia arechavalelae* Speg.  
 22.20 *Coryphantha*  
 22.21 *Mammillaria ortegai*  
 22.22 " *smalensis*  
 22.23 *Echinocereus luteus* B. & P.  
 22.24 *Lemaireocereus thurberi* B. & P.  
 22.25 *Lemaireocereus thurberi* B. & P.  
 22.26 " "  
 22.27 *Pachycereus pecten-aboriginum*  
 22.28 *Cephalocereus purpusii* B. & P.  
 22.29 *Acanthocereus occidentalis* B. & P.  
 22.30 *Opuntia*

Conchillas, Uruguay  
 A. Castellanos

do.

do.

do.

do.

do.

do.

12 mi. from Fort Worth, Tex.

J. R. Sneed

Near Mazatlán, Mexico

J. B. Ortega

No. 6

12/19/21

No. 7

12/20/21

No. 8

12/20/21

No. 9

12/20/21

1/24/22

No. 2

No. 10

# 1

# 4

# 5

# 6

# 7

# 8

# 9

# 11



22.31 *Opuntia*

22.32 *Hylocereus purpusii* B. & R.

22.33 *Rathbunia sonora* B. & R.

22.34 *Coryphantha runyonii* 1

22.35 3

22.36 *Mammillaria dioica*

22.37 *Echinocereus reichenbachii* 4

22.38 *Coryphantha* 3

22.39 *Mammillaria phellosperma*

22.40 " *gordolzei*

22.41 *Eremurus wasei*

22.42 " *tardiflora*

22.43 " "

22.44 " *bungei*

22.45 " *tardiflora*

Magatlan Mexico  
J. G. Ortega

# 12

# 13

# 14

Starr Co., Texas, 100 ft.  
R. Runyon

"

# 21

Mason Valley, San Diego, Calif.  
C. R. Orcutt

San Antonio, Tex. R. Runyon March 1922

"

"

"

Mason Valley, Calif. C. R. Orcutt <sup>Feb.</sup> 1922

Cult. in England

H. J. Elwes

1922



22.46 *Stricklandia euerosoides*

22.47 *Hippocratum brachyachnum* Baker

22.48 *Mammillaria*

22.49 " *Coryphantha pumila* <sup>not</sup> (mid type)

22.50 " *sphaerica*

22.51 *Rumyonia tenuiflora*

22.52 *Mammillaria*

22.53 "

22.54 *Selaginella crenophila*

22.55 *Mammillaria milleri* n. sp. (M) 4

22.56 " *tetrancistra*  
Suds Elvies, Mundt, Brecher

22.57 *Opuntia basilaris*

22.58 *Pongueira splendens*

22.59. *Opuntia macrantha*  
See letter 4/3/22 - Wherry

Cult. in England H. J. Elvies 1922  
(from Ecuador)

Cerro de Santa Catarina, 2770m. alt  
C. Reichs March 22, 1922

50 miles s. of Reynosa, Mex.  
R. Runyon #24 3/29/22

Oakville, Texas

" 22 3/29/22

Reynosa, Mex.

" 23 3/-/22

Dort Worth, Texas

3/27/22

J. R. Sneed

3/27/22

"

"

Palm Spring, Calif.

Coll. by McKenney

March 1922

Yucca, Ariz.

Mr. Chas. Bley

March 1922

"

"

"

"

"

"

"

"

"

Pine woods on sand hills, 4 miles  
east of Mason, along road to Camp  
Wherry, Gen. E. T. Wherry 4/3/22



22.60 *Opuntia serpentina* 4

22.61 " *prolifera* 1

22.62 *Mammillaria karwinskiana* Mart. 3

22.63 " *spaculata* 1

22.64 " *retusa* 1

22.65 " *brun elegans*) 4

22.66 " *richoi* 1

22.67 *Epiphyllum stenopetalum* 3

22.68 *Echinocactus conigua* 1

22.69 *Opuntia* sp. cf. *tortispina* 1

22.70 *Hylocereus polyrhiza* 4

22.71 *Mammillaria similis* 1

22.72 " " 8

22.73 " " 2

22.74 *Mammillaria grahamii* 1

22.75 " " 1

North San Diego, Calif.  
C. R. Orcutt #6

" " #5

Oaxaca, Mexico.  
B P. Rebo.

4/2/22

" "

"

"

"

"

"

"

"

"

"

"

"

Starkville, Miss.

4/1/22

W. Berry

Ecuador

4/21/22

F. W. Goding

Texas, In farmer's yard, Industry

4/13/22

BC Sharp

" Steep sandstone hill, Smithville

"

" Smithville

"

Arizona, Rock Creek, #3

4/18/22

Ruth C. Ross

"

"

#4 (near #3)

"



22.76 *Mammillaria grahamii* 1

22.77 " " 3

22.78 " " 1

22.79 " " 1

22.80 " *fasciculata* 2

22.81 " *olivacea* 1

22.82 *Oreocereus strausii* 4

22.83 *Opuntia soehrensii* Br & Rose 2

22.84 *Opuntia exaltata* 4

22.85 *Mammillaria* 1

22.86 " 2

22.87 " 1

22.88 " 1

22.89 " 1

22.90 " 2

22.91 " 1

Arizona. Road from Chino to Globe 4/13/22

Ruth C. Rose #5

near #5

" #6

" Top of ridge

" #1

4/13/22

" Red basin, western ridge

" #2

" Salina Canyon, Sta Catalina Mts  
Forest Shreve

1915

Basins of Sierra Mts, SW of Tucson 3/22/22

"

Germany Berlin Bot. Gard.

4/-/22

H. Vaupe

Peru, Cuzco

3/23/22

Fortunate L. Herrera

"

"

Arizona, Little Gold Gluch meadow

4/23/22

Ruth C. Rose #7

" The tablelands, northwest rim

4/26/22

"

#8

" (near #8)

"

#9

"

"

#10

"

"

#11

" Road from old mill to Whippleman

4/27/22

"

#12

New Mexico, Box Cañon, 4 mi. NE of Santa Fe 4/30/22

L. E. Wood



- 22.92 *Mammillaria confusa* 1 NY.
- 22.93 *Rhipsalis leucorhaphis* 2
- 22.94 *Cyanotis kewensis* 1
- 22.95 *Cyanotis* 1
- 22.96 *Rhipsalis crispata* 1
- 22.97 *Marpesia tigrina* 3
- 22.98 *Mammillaria wismannii*
- 22.99 *Echinocactus megarhizos* 2  
seeds
- 22.100 <sup>(Bismaga)</sup> *Mammillaria mazatlanensis* 3  
seeds, Bozham
- 22.101 <sup>(Bayer des V. rufus)</sup> *Cephalocereus purpureus* 1
- 22.102 <sup>(Bayer des V. rufus)</sup> *Rathbunia* 1
- 22.103 <sup>(Bayer des V. rufus)</sup> *Opuntia* 1
- 22.104 <sup>(Bayer des V. rufus)</sup> *Opuntia* 1
- 22.105 <sup>(Bayer des V. rufus)</sup> *Echinocereus luteus* Rose 1
- 22.106 <sup>(La. Bajada Bismaga)</sup> *Mammillaria ortegae* 2
- 22.107 *Argemone intermedia* 1  
(seeds)

- Berlin (N.Y.B.G. 30353) 5/12/1922  
W. Mundt
- N.Y.B.G.  
Shaper 5/12/1922
- N.Y. Bot. Gard. 38847  
(Loc. 6) Mason Bot. Gard. 1913
- N.Y. Bot. Gard. 45916  
(Loc. 2) H. Natho 1917
- N.Y. Bot. Gard. 29926  
(Loc. 2) C.B. Berger 1908
- Tennessee, Chattanooga  
R.S. Walker (J.W. Freeman R.P.L.)
- Oklahoma Agr. College  
C.O. Charles 1921
- Mexico, Reynosa 5/10/22  
Robert Runyon
- Mexico; Mazatlán 5/10/22  
J.C. Ortega #2
- " " #3
- " " #4
- " " #5
- " " #6
- " " #7
- " " #8
- Texas, Brownsville (flowers white) 5/11/22  
Robert Runyon



- 22.108 *Argemone mexicana* (Seed) 1
- 22.109 *Euphorbia* (Seed/Bootham) 2
- 22.110 *Solisia pectinata* 3
- 22.111 *Opuntia floccosa* (Robba common n.) 5
- 22.112 " " Common name: Huacahua(?) 2
- 22.113 *Hyloteris polyrhiza* (See de) 2
- 22.114 *D. cania* 1
- 22.115 *Echinocereus mojavensis* 1+1
- 22.116 *Opuntia pollardi* 2
- 22.117 *Pediacactus robustus* 3
- 22.118 *Sclerocactus pteranthus* 1
- 22.119 *Lemaireocereus griseus* 1
- 22.120 *Cereus jamacaru* 1
- 22.121 *Echinopsis gemmatus* 1
- 22.122 *Echinopsis* 1
- 22.123 *Echinopsis* 1

- Texas, Brownsville. (yellow flowers) 5/1/22  
Robert Runyon
- Mexico, Parc de Chapultepec 5/3/22  
Karl Reiche <sup>1 Sheet sent for hist. III - 14-32</sup>  
<sup>2 ... dupl. for dist. (E.C.F.)</sup>
- Mexico, near Tehuacan  
B.P. Rebo
- Peru, Cusco 4/24/22  
F. L. Herrera
- " "
- Ecuador 5/26/22  
Dr. Goding
- Guatemala, (Cactus on Escoba Palms. see Photo.)  
A.F. Cook
- Colorado desert 5/24/22  
S.B. Parish = Mung + Johnson #5298
- Virginia, Cape Henry 5/30/22  
E.T. Wherry
- Washington, Yakima 5/29/22  
Eliot Nelson
- (In cultivation) 5/31/22  
E.P. Childs #1
- (In cultivation)  
E.P. Childs #2
- (In cultivation)  
E.P. Childs #3
- (In cultivation)  
E.P. Childs #4
- (In cultivation)  
E.P. Childs #5
- (In cultivation)  
E.P. Childs



- 22.124 *Echinopsis* 1 (A. Cuthbertson)
- 22.125 *Cereus-Echinocereus munzii* n. sp. (herb spec) (N.Y.) 1 E.P. Childs  
California, locally abundant on dry, rocky slopes. 5/21/22  
Munz & Johnston #5570
- 22.126 *Echinocereus coccineus*. 3 Arizona, Clifton  
W.W. Eggleston
- \*22.127 *Psilotum nudum* (L.) Griseb. 1 Columbia, Buenaventura Bay on tree 4/21/22  
+ Not planted - made into specimen. E.P. Killip.
- 22.128 *Pediocactus simpsonii* 4 Colorado, Manitou 6/27/22  
J.W. Johnston (b)
- 22.129 *Coryphantha vivipara* 1 " " (a)
- 22.130 ~~*Geanthocereus pentagonus*~~ 2 Columbia, below Laguna 5/14/22  
*Pennariocactus griseus* (Haw.) Br. & R. E.P. Killip #5413
- 22.131 *Opuntia bella* Br. & R. 1 " below Laguna
- 22.132 *Cactus obtusipetalus* 1 " #5414
- 22.133 *Zygocactus truncatus* 1 " below Laguna
- 22.134 *Sedum* 1 " #5415
- 22.135 *Coryphantha vivipara* 1 " Cult. at Cambridge, Cambridge native here. 4/22/22
- 22.136 " 1 " #5270
- 22.137 " 1 " #5228
- 22.138 *Opuntia* 1 Colorado, Col. Springs, Pefanis  
J.W. Goldsmith
- 22.139 *Opuntia* (Lurida) 2 " Mouth of Austin Bluffs 6/22/22  
" Top of Austin Bluffs  
Texas; Austin 6/25/22  
William Tell. (1)



- 22-140 *Echinocactus setispinus* 1
- 22-141 *Mammillaria mitallii* 1
- 22-142 *Mammillaria appianata* 1
- 22-143 *Echinocactus texensis* 2
- 22-144 *Opuntia* (Tuna) 2
- 22-145 *Opuntia* 2
- 22-146 *Echinocereus reichenbachii* 2
- 22-147 *Opuntia* (Bokka) 2
- 22-148 *Lobelia corbula* (Anapasco) (ny) 7
- 22-149 *Opuntia* (Anapasco) 1
- 22-150 *Selenicereus spinulosus* 2
- 22-151 *Mammillaria micracarpa* (Herb. sp. ny) 1
- 22-152 *Opuntia* 1
- 22-153 *Pachycereus gaudieri* B.R. (Herb. sp. ny) 1  
seeds V. unkel, Chido, Borchers
- 22-154 *Echinocereus mungii* 1
- 22-155 *Lueddya*

- Texas; Austin 1) 6/15/22
- William Tell
- "
- " San Saba Co. 1)
- " 12)
- " 12)
- " 12)
- " 12)
- Peru; Cusco. 3700 a 4000 m sobre el nivel del mar. 5/-/22
- Fortunato J. Herrera
- " {El punto es, de Huarachicho. O sea Cañon Eridio?  
El anapasco, crece en los alrededores del Cusco.
- " {Crece en masas, compuestas de 30 a 35 plantas  
que apenas sobresalen del suelo.
- " Anapasco y una parva, de Anapasco. - Abre pedris  
del Cusco 3500 a 3600 m.
- Mexico; Monterey
- E.P. Gifford
- Arizona; on upper terrace on right bank of Gila River in 6/14/22  
lower part of bed of 15 TH SR 16 F.
- R.C. Ross #13
- " Mexican yard near Nelson Lumber Co, Winkelman. 6/15/22
- "
- Mexico; Izamal Yucatan.
- Geo. F. Gaudier
- California; Kern Valley, San Bernardino Mts. 6/18/22  
Locally abundant on dry rocky slopes along north side of  
Baldwin fork.
- Mung #5759
- California, (with 5759)



- 22.156 *Echinocereus majavensis* 2
- 22.157 *Opuntia* 1
- 22.158 (Wild Yams) 1
- 22.159 *Pediocactus semsonii* 1  
(Det.) Bozhan
- 22.160 *Coryphantha ~~concolor~~* 2
- 22.161 *Mammillaria centricincta* 1  
(Red)
- 22.162 *Coryphantha virifera* 1 ~~+~~
- ~~22.163 *Opuntia* (Black)~~ ~~+~~
- 22.164 *Mammillaria* 1
- 22.165 " 1
- 22.166 " 1
- 22.167 *Echinocereus* 1
- 22.168 *Mammillaria wislizenii* 2
- 22.169 *Coryphantha aggregata* (Engelm.) 3
- 22.170 *Hassleranthus* 1
- 22.171 *Coryphantha virifera* 5

- California; San Bernardino <sup>locally abundant on dry rocky slopes along divide north-east of Redondo Lake. 7000 ft.</sup> 6/13/22  
Munz # 5760
- Georgia, Ft. Barrington. 6/22/22  
Edgar T. Wherry
- Santa Domingo 1922  
W. L. Abbott # 2389
- Colorado; Ute Pass Trail near Ronge Ranch 2 1/2 mi. 6/19/22  
J. M. Johnston
- Mexico; between Tancitaro & Santa Fe; common  
H. Reiche
- Mexico " "
- Alberta, near  
A. C. Harris
- Arizona; Tule Spring, Aravaipa Creek about 2 mi. south of Aravaipa. 6/11/22  
Ruth C. Ross # 14
- " " # 15
- " " # 16 x
- " " # 17 x
- Oklahoma; Stillwater  
C. O. Chambers
- Arizona; Ridge south of Aravaipa  
C. P. Ross 6/26/22
- California; Los Angeles  
Mrs. Harrison
- Alberta; Banff  
Mrs. M. Walcott



22-172 *Opuntia polyacantha* (my) 1

22-173 *Mammillaria gossensiana* 2

22-174 *Mammillaria phellosperma* 1

22-175 *Mammillaria* 1

22-176 *Opuntia fuscata* Engelm. 1

22-177 *Echinocereus blanckii* 4

22-178 *Parodia lasiocarpa* (Seed) 1

22-179 *Mammillaria mulleri* (my) 1

22-180 *Opuntia fasciata* 2

22-181 *Opuntia truncata* 2

22-182 *Sobivra* ~~*Opuntia*~~ *corbata* 2

22-183 *Opuntia floccosa* 3

22-184 *Opuntia* 1

22-185 *Cactus cactus* Br. R. 2

22-186 *Coryphantha rigida* 1

22-187 *Echinocereus acuminatus* 1

Alberta; Banff.

Dr + Mrs. C. D. Walcott.

Mexico, from Mina. de Agui, Antich, Belguira. 6/17/22  
Francis H. Lott.

Arizona, Bouse. 6/26/22  
C. R. Orcutt.

Arizona, Wickenburg.  
C. R. Orcutt.

Texas, Leonville. 6/25/22  
R. Runyon # 26

" # 25

Arizona; Phoenix  
C. R. Orcutt.

California, Los Angeles  
W. Kern. 5/5/22

Barro, Casco  
Fortunato L. Herrera

S. Carolina; Marshes, Corner  
C. T. Wherry

Venezuela; Coto Blanco. July 18/22  
H. Pettier

Utah; The Top of the Saline Exp. Station. 7/8/22  
A. B. Clauson from C. D. March. (a)

"

"



- 22-188 *Echinocereus coccineus* (ny) 3
- 22-189 *Echinocactus bicolor* 2
- 22-190 *Mammillaria macrocarpa* 1
- 22-191 *Echinocereus coccineus* Engelm. 1
- 22-192 *Opuntia whipplei* Engelm. 1
- 22-193 *Coryphantha runyonii* (ny) 2
- 22-194 *Ariocarpus fissuratus* 1
- 22-195 *Mammillaria multiceps* 1
- 22-196 *Coryphantha pectinata* 1
- 22-197 *Echinocactus horizontalis* 5
- 22-198 *Opuntia echinocarpa* 3
- 22-199 *Echinocactus erectocentrus* 1
- 22-200 *Coryphantha aggregata* Engelm. 1
- 22-201 *Pachylophus marginatus* (Muhl. & Rydb.) (seed) 1
- 22-202 *Echinocereus mitchellianus* (ny) 2
- 22-203 *Mammillaria aggregata* Engelm. (ny) 1 + 3 + 2

Utah; Gooseberry Creek 2-3 miles below Salina.  
C.D. Marsh (c)

Texas; Rump

Robert Runyon

Arizona; Mt Graham.

C.B. Arcutt

7/14/22

"

"

"

"

Texas

Robert Runyon

Texas; Langtry, limestone Ridges

Geo. L. Fisher #1

"

Rio Grande Bluffs under shrubs

#2

"

"

"

#3

"

Gravel hills

"

#5

"

Limestone under brush.

"

#8

Arizona, Plantano

Arcutt 1922: 706

"

"

7/18

"

Mt. Hargra, Hala, Wenden.

A.F. Moore.

Arizona; Aravaipa

near Post office growing in a circular clump about 1 ft. in diameter about 20 heads from the south. Very common here but not usually in such large clumps.

Ruth C. Ross #23

Near Mr. Pandemon's camp on road to Aravaipa. Agnosphical. Bunches described in Essay weighing 6 lbs and containing 20 heads. Fairly common.

"

"

#22

7/16/22



22.204 *Opuntia whipplei* 1

22.205 *Mamfeda* 2

22.206 *Mamfeda* 1

22.207 *Mammillaria chlorae* 5+1

22.208 *Spreckelia formosissima* 2

22.209 *Mammillaria milleri* 3

22.210 *Echinocereus dasyacanthus* 1

22.211 *Peniocereus greggii* 3

22.212 2

22.213 *Echinocereus fackleyi* Rose (my) 2

22.214 *Opuntia* 1

22.215 1

22.216 *Pereskia* (my) 1

22.217 *Epiphyllum phyllanthus* (my) 2

22.218 *Opuntia basiliensis* (my) 3

22.219 *Rhipsalis leucae* (my) (Dead) 2  
Oct 10 1922

Arizona, road from Blodyspe to Safford, arise  
Blossom. Fr. pendant. Ruth C. Ross #20 7/1/22

Tennessee.  
R. S. Walker

Arizona  
Orcutt #802

Mexico  
B.R. Villaseñor (% W.R.M.)

Arizona; Wickenburg; steep dry rocky hillside 7/2/22  
F.A. Greeley % O.C. Thompson.

Texas  
Susan Pattison

Texas; east of Finley on flat near Roche Mts. in creek bed.

Columbia. W. of Popayan, Dept. of Cauca. (alt 6000 ft.)  
Woods near summit of divide between Rio Siquis + Rio Piedras.  
Pennell + Kilip # 8203 7/3/22

Oklahoma, Cache.  
Frank Rusk.

Peru, below Cuzco 2500 m.  
T. L. Herrera

" 1500 m.

"

"

"

" 1200 m.

"

" 1000 m.

"

"

"



22.220	<i>Ferocactus johnsonii</i>	2	California	James H. Ferriss	
22.221	<i>Echinocereus</i>	1	Oklahoma, Ada		
22.222	<i>Opuntia</i>	1	Alberta, <sup>2</sup> Gen	(Found in 1917.)	
22.223	<i>Dudleya flava parva</i>	1	California, Los Angeles	A. C. Harris	2/12/22
22.224	<i>Opuntia pollardii</i> ?	1	New Jersey, Burlington	Dr. A. Davidson	Aug 1922
22.225	<i>Mesembryanthemum doreenii</i>	1	England, 85 St Albans Road, Ilford	E. T. Wherry	
22.226	<i>Mammillaria mulleri</i> nsp.	4	Arizona, Phoenix	C. Dennis O'Donoghue	
22.227	<i>Echinocactus wislizeni</i>	1	Arizona, <sup>a a</sup> Arizpa	O. C. Thompson	
22.228	<i>Echinocereus</i>	3	"	Mrs Ruth Ross	
22.229	"	5	"	"	
22.230	"	1	"	"	
22.231	"	1	"	"	
22.232	<i>Mammillaria</i>	3	"	"	
22.233	"	1	"	"	
22.234	"	1	"	"	
22.235	<i>Coryphantha</i>	5	"	"	



22.236 *Opuntia* 1

22.237 " 1

22.238 " 1

22.239 " 3

22.240 " 1

22.241 *Fouquieria* 1

22.242 *Opuntia*

22.243 *Echinocereus coccineus*

22.244 *Pediocactus simpsonii*

22.245 *Sedum niveum*

22.246 *Rhipsalis*

22.247 (1) *Mammillaria Kermadeciana*

22.248 (2) *M. conzattii*

22.249 (3) *Mammillaria*

22.250 (4) *M. pseudoperbella*

Arizona, Arima  
Mrs Ruth Ross.

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Utah: Bet. Saline & Saline Experiment Station, 7,000 ft.  
C. D. Marsh, Sept. 6, 1922

Utah, Koosharem Canyon  
C. D. Marsh

"

California: San Bernardino Mts. Lower Lake.

Philip A. Munz Aug. 24

In cultivation at Lynchburg, Virginia

Percy R. Monroe

Sept. 1922

Mexico, Oaxaca

C. Conzatti Aug 23

"

"

"



- 22.251 *Echinocactus diguetii*
- 22.252 *Dendrocereus nudiflorus*  
(Dead)
- 22.253 *Opuntia prolifera*
- 22.254 *Bergencactus emoryi*
- 22.255 *Opuntia* "West Virginia"
- 22.256 *Hyllocereus purpureus*
- 22.257 *Argemone platyceras bifida* P.
- 22.258 *Sedum*
- 22.259 *Aracacia*
- 22.260 *Pronocradum*
- 22.261 *Opuntia opuntia* (ny)
- 22.262 *Opuntia* (ny)
- 22.263 *Rhipsalis grandiflora*
- 22.264 *Echinocereus*
- 22.265 *Mammillaria*
- 22.266 *Sylvestriophyllum hassei*

(13394)

Lagoon, Angel de la Guardia Isl. Lw. Cal.  
J. M. Johnston - May 21.  
Dominica. Bot. Garden  
Joseph Jones, Cherry D. H. Bailey  
California, Avalon.  
Ezra C. Knopf.

Harpers Ferry, W. Va.  
E. T. Wherry. Sept.  
Zepher, Tazant, Mexico  
C. R. Orcutt  
The Lagoon, Angel de la Guardia Island, Sonora  
Ivan M. Johnston 1922  
Portland, Oregon  
M. W. Gorman. 1922  
Seeds from Mexico  
Bureau of Chemistry Ph. 3586  
S. H. " " " " "

Fort Denison, east of Cuncumati, Choc.  
Edgar T. Wherry Sept. 10, 1922  
East of Cuncumati  
E. T. Wherry Sept. 10  
Brazil, Sao Paulo.  
A. N. Rose 1915  
Guaymas  
C. R. Orcutt 1922: 940  
" " 1922: 941  
Santa Islands, California / South Shore near Seal  
Ezra C. Knopf No. 1 [Rocks]



22.267 *Stylrophyllum insulare*

22.268 *Stylrophyllum trackae*

22.269 *Echinocactus leuenhaueri*

22.270 *Coryphantha mukkyfordini* (*Mammillaria schottii* <sup>var. *valida*</sup>)

22.271 *Mammillaria meiacantha* Eng.

22.272 *Mammillaria grahamii* Eng.

22.273 *Mammillaria dasyacantha*

22.274 *Mammillaria robusta*

22.275 *Echinocactus*

22.276 *Mammillaria*

22.277 *Mammillaria*

22.278 *Mammillaria*

22.279 *Mammillaria*

22.280 *Bergerocactus emeryi*

22.281 *Opuntia fragilis*

22.282 *Rhipsalis*

Near King's Rock, Mid Ranch Canyon  
Santa Catalina Island, California

Ezra C. Knapp

Empire Sanding, Stone quarry, Santa Catalina, California

H.E. C. Knapp

Berlin Botanical Garden

Dr. F. Vaupe

New Mexico, Oregon, Ind.

" J.H. Ferris

" "

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Mexico, Oaxaca

C. Longatti

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California, Avalon.

E.C. Knapp

Wich

C.D. Marsh

Germany, Stuttgart.

A. Bender.

Oct. 3, 1922.

Oct. 28, 1922.



22. 283 *Rhipsalis merckleyi* Berger. (typical)

22. 284 *Rhipsalis oblonga* Lfz. (Dead <sup>Nov.</sup> 22)

22. 285 *Rhipsalis leucorhaphis*

22. 286 *Borziacactus acanthocarpus* (Vampel) B+R

22. 287 *Trichocereus peruvianus* B+R

22. 288 (Dead <sup>Nov.</sup> 1922)

22. 289 *Piperomia*

22. 290 *Piperomia*

22. 291 *Opuntia pascoensis* B+R

22. 292 (Dead Oct 1922)

22. 293 *Euphorbia lanata* (HBK) B+R

22. 294 *Opuntia*

22. 295 (Dead <sup>Nov.</sup> 1922)

22. 296 *Mammillaria*

22. 297 *Opuntia*

22. 298 *Lemaireocereus thurberii* (Engel) B+R

Germany, Stutt Gart.  
A. Berger.

Germany, Stutt Gart.  
A. Berger. (Col. by Prof. Goebel in S America)

"  
" (Pampas, Dan. Bot. garden)

Peru Field Museum Expedition  
# 2392

"  
# 2391

"  
# 2386

"  
# 2378

"  
# 2390

"  
# 2393<sup>2</sup>

"  
# 2387

"  
# 2364

"  
# 2365

no #.  
Mexico, Mazatlan

J. J. Ortega # 4590

"  
" no #

"  
# 4587



- 22.299 *Echinocereus viridiflorus* Engelm. 1
- 22.300 " *strammens* (Engelm.) Rumpel. 1
- 22.301 *Epithelantha micromera* (Weber) 1
- 22.302 *Mammillaria tuberculata* Engelm. 2
- 22.303 *Ferocactus coccineus* B + R 1
- 22.304 *Guilandina cristata* (Sed.) 1
- 22.305 *Echinocereus fendleri* 3
- 22.306 *Mammillaria mainae* 1
- 22.307 *Mammillaria*<sup>new</sup> *grahamii* 5
- 22.308 *Mammillaria macdougalii* Pou? 2
- 22.309 " " (large plant) 1
- 22.310 *Ferocactus covillei* 1
- 22.311 *Lemaireocereus eschlamii* B + R (Seeds) 1
- 22.312 *Ferocactus* (Seeds) 1
- 22.313 *Rhipsalis* 2
- 22.314 *Rhipsalis* 2

- New Mexico, Los Cruces Oct. 4, 1922
- " Gas. H. Ferriss # 264
- " # 264<sup>a</sup>
- " # 263
- " # 265
- " # 262
- Mexico, Sonora
- Orcutt.
- " Under mesquite, San Ignacio near Magdalena. # 1922:1328
- " " " # 1922:1327
- " Near Magdalena. # 1922:1273
- " " " # 1922:1274
- " " " # 1922:1274
- " " " # 1922:1274
- " " " # 1922:1274
- " " " # 1922:1274
- El Salvador, Vicinity of Sonsonate, Dept. de Sonsonate. Mar. 19-27 1922 alt. 220-300 m.
- PC Standley # 22328
- Mexico, west coast
- Ortega
- Brazil, Jardim Botânico Rio de Janeiro
- P. Campos Porto # 22
- " " # 48



- 22.315 *Rhipsalis* 2
- 22.316 *Rhipsalis pulvinigera* 2
- 22.317 *Rhipsalis nuda - arnoldi* 2
- 22.318 *Rhipsalis burchellii* Rose 2
- 22.319 *Rhipsalis parsonsii* 2
- 22.320 *Rhipsalis pulvinigera* 2
- 22.321 *Rhipsalis megalantha* 2
- 22.322 *Rhipsalis pulvinigera* 2
- 22.323 *Rhipsalis pulvinigera* 2
- 22.324 *Conyopanta sulcata* (femt) 1
- 22.325 *Opuntia macrocarpa* 1
- 22.326 *Mammillaria occidentalis* 4
- 22.327 *Mammillaria texensis* 3
- 22.328 *Mammillaria ichneips* 1
- 22.329 *Mammillaria mesacantha* 1
- 22.330 *Opuntia lindheimeri* 3

Brazil; Jardim Botânico Rio de Janeiro.  
P. Campos Porto # 67

" " # 68

" " # 17

" " # 54

" " # 21

" " # 38

" " # 13

" " # 6

" " # 35

Texas; Polytechnic A. Ruth. Oct. 19, 1922

" " Mexico: Manzanillo June 6, 1922

S.E. Aguirre (American Vice Consul in charge) July 12, 1922

Texas, Langtry alt 1300 ft. Geo. L. Fisher # 213.

" " # 311

New Mexico: Chusquea J.H. Ferris # 269

Texas, Uvalde John C. Hamlin. Oct. 20, 1922



- 22.331 *Mammillaria* 6
- 22.332 *Mammillaria sumigleyi* nsp. 3
- 22.333 *Echinocereus scopulorum* Br + R. 3
- 22.334 *Mammillaria* 3
- 22.335 *Lobelia cordata* Hemm Br + R. 1
- 22.336 *Echinocereus* 1
- 22.337 *Opuntia santa-rita* 2
- 22.338 *Opuntia delicata* Roe 1
- 22.339 *Echeveria runyonii* Roe type 1
- 22.340 *Anthurium* 5
- 22.341 *Asclepias = Podostemon Lindheimeri* Greene 1
- 22.342 *Rhipsalis* (Dend <sup>new</sup> 1922) 1
- 22.343 *Opuntia basilaris* 1
- 22.344 *Hylocereus polyrhizus* Br + R. 2
- 22.345 *Rhipsalis eschscholii* Baccifera 3
- 22.346 *Walterocereus panamensis* Br + R. 2

- Mexico, Minas Positas, Sonora Sept 20, 1922  
Orcutt 1922. 1248
- " , Guaymas, Sonora  
" 1922. 941
- " " 1922. 940
- " Magdalena, Sonora  
" 1922. 1273
- Peru, Cusco Alt. 3200-3600 m.  
Fortunate L Herrera #7
- Arizona, Nogales Oct 12, 1922  
Orcutt # 1922. 1282
- " " 2-3 ft high  
" # 1922. 1383
- " " # 1922. 1384
- Texas, Brownsville Oct 23, 1922  
Robert Runyon
- " "
- " "
- Peru, near Cuzco  
F. L. Herrera
- Qui to San Fale
- Panama  
E. P. Killip % P. W. Powell.
- " "
- " "
- " "



- 22.347 *Epiphyllum* (Dead <sup>more</sup> 1922) 2
- 22.348 *Opuntia pascoensis* Br. + P. 2
- 22.349 *Pedilanthus* 1
- 22.350 *Rhipsalis* <sup>alpinis</sup> *rosea* (Lag.) B. O. P. 2
- 22.351 *Echinocereus fendleri* 1
- 22.352 *Acanthocereus* 1
- 22.353 *Opuntia nigricans* 3
- 22.354 *Hylocereus* 3
- 22.355 *Opuntia bella* 2+4
- 22.356 *Opuntia* 1
- 22.357 *Cactus obtusipetalus* 2
- 22.358 *Lemaireocereus humilis* Br. + P. 1
- 22.359 *Aphelocactus columbianus* Br. + P. 4
- 22.360 *Mammillaria muehlenbeckii* 1
- 22.361 *Echinocereus rosei* 1
- 22.362 *Mammillaria grahamii* 1

- Panama  
E. P. Killip & R. W. Powell.  
Peru, Huancayo.  
Field Museum Expedition # 2450.  
Mexico, Nogales.  
Mr. Corpe.  
Germany, Berlin Bot. Gard.  
Arizona, Nogales.  
Orcutt 1922-1929.  
Panama, Bella Vista, Bar of Panama Oct. 16, 1922  
E. P. Killip # 12015  
" " 12049  
" " 12030  
Colombia, Espinal, Dept. del Valle.  
Killip + Hazen # 11107 Sept. 2, 1922  
" El Zonzol " Aug. 31, 1922  
Pennell, Killip + Hazen # 8386.  
" Espanol, Dept. del Valle.  
Killip + Hazen # 11108 Sept. 2, 1922  
" # 11104  
" # 11107  
New Mexico, Fort Huachuca, S. end of Sacramento Mts. at 5000 ft.  
Jas. H. Francis # 220 Oct. 26, 1922  
" # 221  
" # 272 alt 2000 ft.



- 22-363 *Echinocereus standleyi* 1
- 22-364 *Sabal texana* 1
- 22-365 *Senecioium griseum* (Frut.) 1
- 22-366 *Mammillaria sulcata* (Lul.) 1
- 22-367 *Mammillaria karwinskiana* Mont. 4
- 22-368 *Mammillaria pseudo-perbella* Small. 5
- 22-369 *Mammillaria pygmaecephala* Scheide 6
- 22-370 *Mammillaria retusa* 2
- 22-371 *Ferocactus ladopinus* (Haw.) Br. & R. 4
- 22-372 *Hasseanthus blochmannii* Kessleri Dardem 1
- 22-373 *Lobelia corbula* (Haw.) Br. & R. 1
- 22-374 *Opuntia tunicata* DC. 2
- 22-375 *Echinocereus* 2
- 22-376 *Exidia squarrosa* (Thunb.) Br. & R. 3
- 22-377 *Mammillaria recurvata* 2+1
- 22-378 *Mammillaria* 1

- New Mexico, S. end of Sacramento Mts. at night.  
Yas. H. Ferris #283 Oct 26, 1922
- Texas, Brownsville  
Robert Runyon
- Columbia  
Penswell.
- Texas, Polytichon  
A. Rusk Nov. 8, 1922
- Mexico, Oaxaca de Juarez  
C. Conzatti #10 Nov. 3, 1922
- " " #11
- " " #12
- " " #13
- " " #14
- California, near Los Angeles  
A. Davidson Nov. 14, 1922
- Pern, near Cuzco.  
Fortunato L. Herrera
- " " #8
- " Rio de Parana. #10
- " " #11
- Arizona, Nogales.  
Orcutt #1922-1391.
- Mexico, Jalisco 1500 m.  
Reko #4380 Sept 5, 1922



- 22.379 *Mammillaria* 1  
 22.380 *Mammillaria* 2  
 22.381 *Opuntia* 1  
 22.382 *Mammillaria* 1  
 22.383 *Opuntia imbricata* 1  
 22.384 *Opuntia* 1  
 22.385 *Opuntia* 1  
 22.386 *Opuntia* 1  
 22.387 *Opuntia* 1  
 22.388 *Mammillaria jaliscensis* 2  
 22.389 *Gleditsia triacanthos* 1  
 22.390 *Hylocereus* 1  
 22.391 *Opuntia* 1  
 22.392 *Opuntia imbricata* Berg. 1  
 392a Second sending (b) 1  
 22.393 *Echinocereus rigidissimus* 3  
 22.394 *Echinocereus fenderi* 1

- Mexico, Colima Sept. 5, 1922  
 " Peto # 4391  
 " Yal. Oct. 9, 1922  
 " # 4392  
 " # 4395  
 " Zacatecas City Oct.  
 " % Groichner # 4401  
 " # 4403  
 " # 4404  
 " # 4405  
 " # 4407  
 " # 4408  
 " Nov 2, 1922  
 " # 4410  
 D.C., 14th St. Nov 25, 1922  
 Dr. Rose  
 California, Chico Nov 20, 1922  
 SPI 51263 Foreign Seed & Plant Introduction,  
 Peru, Prov. de Puno, 3400 m. Nov 20, 1922  
 Fortunato & Wenera #12  
 " , Prov de Puno, 3450 m.  
 " # 13  
 Arizona, Nogales  
 " Orcutt  
 " # 1922: 1589



22-395 *Opuntia spinocarpa*

1

22-396 *Opuntia santa-rita*

4

22-397 *Opuntia*

1

22-398 *Echinocactus*

1

22-399 *Mammillaria*

1

22-400 *Opuntia fulgida*

1

22-401 *Opuntia lindheimeri*

1

22-402 *Opuntia leucotricha*

1

22-403 *Opuntia brazilensis*

1

22-404 *Opuntia arborescens*

1

22-405 *Opuntia arborescens*

1

22-406 *Mammillaria similis*

1

22-407 *Mammillaria robustispina*

1

22-408 *Cactus melocactus*

10

22-409 *Opuntia spinosissima*

5

22-410 *Opuntia fusco-atra*

2

Arizona; Nogales

Archt 1922:1291

"

" 1922:1383.

"

" 1922:1392.

Germany

Munich

Mexico

near Zacatecas

B.P. Rebo. no 4401

Texas, Austin

William Tell.

Dec 9, 1922.

"

"

"

"

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"

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"

"

Arizona; continental

Archt 1922:1393.

Dec 7, 1922

Massachusetts Island

Lighthouse service

Texas; Gulf Coast

Thorp. #1

Sept 1, 1922.



22.411	Mammillaria similis	3
22.412	Mammillaria sulcata	2
22.413	Rhipsalis leucac	2
22.414	Erdesia	2
22.415	Mammillaria	1
22.416	Mammillaria (one dead)	2
22.417	Mammillaria	2
22.418	Coupantha	1
22.419	Mammillaria	1
22.420		1
22.421	Mammillaria solisii Rose	1
22.422	Mammillaria	1
22.423	Coupantha Dead 2/3/22	1
22.424	Opuntia	1
22.425	Mammillaria	1

Texas, Gulf Coast.	Sept 1, 1922.
B. C. Tharp.	
, Edwards Plethron near Austin	
"	
Peru, Prov. de la Convencion alt 1000-1500 m.	
Fortunato L. Herrera #16	Oct. 17, 1922.
Peru, Prov. de W. Uta 2000 m	
" #14	Oct 16, 1922
Mexico, Buenavista, <sup>de Cuellar</sup> Guerrero	
Prof. Muñoz & Solis #1	
Mexico, Caborca, Sonora.	
Prof. Gallegos & Solis #3	
Mexico, Mazamit.	
Agente del Gobierno & Solis #7	
Mexico, Guerrero	
Muñoz. Solis #8.	
Mexico, Guerrero	
" #9	
"	
" #11	
"	
" #12	
"	
" #2	
"	
" #5-2	
Mexico?	
#1350	
Guadalupe, El Risco.	
Herrera, G.C. Solis #10	



1923

23.1 *Dudleya* *rusbyi*

(3)

Arizona; Sabino Canyon, Santa Catalina Mts.  
Edwin B. Bartram.

23.2 *Mammillaria* *titanicista*

(1)

Arizona; Yucca.  
Mrs Bly. #1

23.3 *Mammillaria* *milleri* *rep.*

(1)

" #2

23.4 *Mammillaria* *milleri* *rep.*

(1)

" #3

23.5 *Rhipsalis*

(1)

Brazil. Rio de J.  
Campos Porto. #1179

23.6 *Mammillaria* *leona*

(1)

Texas, Alpine = Terlingua road.  
Yas H. Ferris.

23.7

Dead <sup>2</sup>13/23

(2)

Peru

T. L. Herrera #19

Oct 27, 1922

23.8 *Cereus*

(4)

" , Rio de la Convencion.  
" #20

23.9 *Opuntia* *brasilensis* Willd.

(2)

" #21

23.10 *Opuntia*

(2)

" Rio de Guisayanchi  
" #23

23.11 *Opuntia* *echinocarpa*

(4)

Arizona, Nogales.  
C.R. Orcutt 1923: 2

23.12 *Opuntia* *monteroidensis*

(2)

Uruguay, beach at Pocitos.  
Hugh Smith.

Oct 17, 1922.

23.13 *Opuntia* *monteroidensis*

(2)

" , Lobos Id.

23.14 *Agave* *vilmorentiana* Berger

(1)

Mexico, Guadalajara, 15 m alt.  
Rebo # 4595

23.15 *Echinocactus*

(1)

Mexico, Toluca  
Rebo # 4478

23.16 *Hylocereus*

(1)

Mexico, Tehuacan  
Rebo # 4591



- 23.17 *Hylotea* (1) Mexico; Tehuacan  
Rebo # 4592
- 23.18 *Selenicereus* (1) Mexico, Tamaulipas  
Rebo # 4593
- 23.19 *Mammillaria* (1) Mexico, Tonala, Chiapas  
Rebo # 4596
- 23.20 *Aporocactus* (1) Mexico, " # 4597
- 23.21 *Nyctocereus saxacensis* (1) Mexico, " # 4598
- 23.22 *Mammillaria occidentalis* Mexico, Manzanillo.  
Consular Service (American) S.E. Aguirre.
- 23.23 *Bryophyllum pruinatum* (Sua) (1) Peru.  
MacBride # 2420 1922
- 23.24 *Selenicereus donkelaarii* (Salm-Dyck) Yucatan, Mexico  
S.G. Morley 2/25/20
- 23.25 *Ariocarpus lloydii* Rose (2) Mexico, San Pedro, Coah.  
A.F. Moeller
- 23.26 *Astrophytum myriostigma* Lam. (1) " "
- 23.27 *Senecioium guttatum* Rose (2) Mexico, Chico Mountain, near Monterrey.  
Robert Pennington 3/16/20
- 23.28 *Sedum palmeri* (2) " "
- 23.29 *Sedum diffusum* (2) " "
- 23.30 *Echeveria simulans* Rose (1) " Santa Catarina mts.
- 23.31 *Selenicereus spinulosus* (We) Brit R. (1) " "
- 23.32 *Mammillaria ruyongii* Brit R. (1) " "



- |       |   |     |                                       |                                 |
|-------|---|-----|---------------------------------------|---------------------------------|
| 23.33 | <i>Ferocactus cylindraceus</i>                | (1) | California, Whitewater, Riverside Co. |                                 |
| 23.34 | <i>Ferocactus lecontei</i>                    | (1) | Arizona, Phoenix                      |                                 |
| 23.35 | <i>Lupinus</i>                                | (2) | Peru                                  | 1922                            |
| 23.36 | <i>Lupinus</i>                                | (2) | Peru, cultivated at Huancayo          | Macbride and Treutterton # 1300 |
| 23.37 | <i>Echinomastus dasyanthus</i>                | (3) | Texas, El Paso                        |                                 |
| 23.38 | <i>Opuntia schottii</i>                       | (1) | "                                     |                                 |
| 23.39 | <i>Echinocactus horizontalis</i>              | (1) | "                                     |                                 |
| 23.40 | <i>Cactus hodgsonii</i> B+R                   | (1) | Columbia, Tolago                      |                                 |
| 23.41 | <i>Opuntia pascoensis</i> B+R                 | (3) | Peru, Chosica                         | M. Chizzola                     |
| 23.42 | <i>Opuntia sphaerica</i> Forst                | (3) | "                                     | J.F. Macbride # 2850            |
| 23.43 | <i>Binghamia acantha</i> B+R                  | (5) | "                                     | # 2849                          |
| 23.44 | <i>Cactus townsendii</i> B+R                  | (1) | "                                     | # 2848                          |
| 23.45 | <i>Euphorbia lanata</i> B+R                   | (1) | "                                     | # 2852                          |
| 23.46 | <i>Binghamia melanostele</i> B+R              | (3) | "                                     | # A                             |
| 23.47 | <i>Lemaireocereus lactus</i> B+R              | (1) | "                                     | # 2851                          |
| 23.48 | <i>Dudleya = Graptopetalum bartramii</i> nsp. | (1) | Arizona, Patagonia Mts.               | # 2844                          |
|       |   | (1) | E.B. Bartram                          |                                 |



23.49 *Selaginella bigelovii*

23.50 *Mammillaria similis*

23.51 *Opuntia stenochila* Engelm.

23.52 *Astrophytum capricorne*

23.53 *Thelocactus bicolor*

23.54 *Echinocactus horizontalis*

23.55 *Mammillaria pottii*

23.56 *Echinocereus recumbens*

23.57 *Coryphantha*

23.58 *Epithelantha micromeris*

23.59 *Mammillaria denuda*

23.60 *Echinocereus*

23.61 *Ferocactus lamatacanthus*

23.62 *Mammillaria*

23.63 *Mammillaria*

23.64 *Mammillaria meiacantha*

(1)

(2)

(1)

(4)

(3)

(3)

(2)

(3)

(2)

(2)

(2)

(2)

(3)

(4)

(1)

Ojai, Calif.

Caroline C. Haynes

Mar. 1923

Texas, Austin

University of Texas Bot. Dept.

Arizona, Kernville Bluffs 20 mi n. of Casa

E. A. Goldman

Apr. 3, 1923

Mexico, S. Pedro, Cob.

A. F. Moeller #1

#2

#3

#4

#5

#6

#7

#8

#9

#10

#11

#12

#13



- |       |  |     |                                      |              |
|-------|--|-----|--------------------------------------|--------------|
| 23.65 | <i>Ferocactus</i>                      | (1) | Mexico, S. Pedro Ch.                 |              |
|       |  |     | A. F. Moeller                        | # 14         |
| 23.66 | <i>Neolloydia conoidea</i>             | (1) |                                      | # 15         |
| 23.67 | <i>Opuntia compressa</i>               | (1) | Connecticut, New Haven (West Rock)   |              |
|       |  |     | Edgar T. Wherry                      |              |
| 23.68 | <i>Opuntia</i>                         | (1) | Milford, Ct.                         |              |
| 23.69 | <i>Allium pseudobulbiferum</i>         | (1) | California, Palmdale, Mohave Desert. | Apr. 1, 1923 |
|       |  |     | A Davidson 3569                      |              |
| 23.70 |  | (1) | El Paso, Texas                       |              |
|       |  |     | Elsie McElroy Slader                 | # 2          |
| 23.71 | <i>Echinocereus viridiflorus</i>       | (1) | "                                    | # 3          |
| 23.72 | <i>Echinocereus viridiflorus</i>       | (1) | "                                    | # 4          |
| 23.73 | <i>Echinocereus chloranthus</i>        | (1) | "                                    | # 5          |
| 23.74 | <i>Echinocereus viridiflorus</i>       | (1) | "                                    | # 6          |
| 23.75 | <i>Echinocereus chloranthus</i>        | (1) | "                                    | # 7          |
| 23.76 | <i>Coryphantha neomexicana</i>         | (1) | "                                    | # 8          |
| 23.77 | <i>Opuntia truncata machadei</i>       | (1) | Peru                                 |              |
|       |  |     | Machade                              | # 0260       |
| 23.78 | <i>Opuntia truncata</i> <del>rob</del> | (2) | "                                    | # 3250       |
| 23.79 | <i>Echeveria</i>                       | (2) | "                                    |              |
| 23.80 | <i>Mammillaria</i>                     | (1) | Mexico, San Pedro, Coahuila          |              |
|       |  |     | Arthur F. Moeller.                   | # 1.         |



- 23.81 *Opuntia tunicata* Lind. & Otto (1)  
 23.82 *Opuntia tunicata* Lind. & Otto (form) (1)  
 23.83 *Echinocereus pectinatus* Engelm. (1)  
 23.84 *Coryphantha radicans* (DC) (1)  
 23.85 *Coryphantha radicans* (DC) (1)  
 23.86 *Echinocereus pectinatus* Engelm. (1)  
 23.87 *Dudleya* (1)  
 23.88 *Araucarioxylum Sch.* Sent to NY (1)  
 23.89 *Opuntia brasiliensis* Willd. (2)  
 23.90 *Mammillaria macdougalii* Sent to NY (1)  
 23.91 *Opuntia virens* (1)  
 23.92 *Echeveria whitei* nsp. (3)  
 23.93 *Ferocactus lecontei* (1)  
 23.94 *Echinocereus fendleri* (2)  
 23.95 *Mammillaria sheldonii* (4)  
 23.96 *Agave shottii* (5)

Mexico, San Pedro, Coahuila  
 Arthur F. Moeller #2

"

#3

"

#4

"

#5

"

#6

"

#7

Arizona

J. J. Thorne

Perez, Prov. de la Convencion, valle de Santa Ana y Colca  
 F. L. Herrera

valle de Santa Ana 800-1500 m.

May 11, 1923.

"

"

Arizona, Catalina Mts. alt 4000 ft.

LT MacDougal (Tucson Arizona)

Kew 1902

NYBG # 15614

Bolivia (Mulford Exped.)

Orland E. White

Mexico, Sonora

D. T. MacDougal

"

"

"

"

"

"



23.97 Agave

23.98 Conypantha.

23.99

23.100 Opuntia humifusa (Seed)

23.101 Selaginella lepidophylla

23.102 Opuntia

23.103 Rhipsalis heteroclada

23.104 Rhipsalis penduliflora

23.105 Cissus rhombifolia

23.106 Epiphyllum strictum

23.107 Epiphyllum phyllanthus

23.108 Hylocereus monacantha

23.109 Pereskia conzatti B. & R. (Seed)

23.110 Mammillaria pottsii

23.111 Echinocereus dasyacanthus

23.112 Echinocereus

(1) Mexico, Sonora

(1) California? D.T. MacDougal

(1) E.C. Root, 209 N. Stoneman St. Alhambra Calif.

(1) Peru

(1) Machide with # 810 (1923)

(3) Kentucky | Cliffs of Kentucky River, Camp Nelson  
E.T. Wherry

(2) Texas, El Paso.

(1) Mrs S. L. Pattison

(1) N. Carolina, near Wilmington

(1) D.W. Gross thru J. H. Small

(1) Brazil, Ilha Grande

(1) 43053 [Proc 20.371]

(1) "

(1) 43050 [Proc 20.250]

(1) Panama, Balboa Heights C.Z.

(1) W.B. Maxon 6701

(4) "

(4) " 6706

(4) "

(4) " 6707

(4) "

(4) " 6705

(1) Mexico, San Gueronimo, Oaxaca

(1) Ch. Purpus

(1) Texas, 80 mi S of Marfa

(1) S.L. Pattison (Cambridge, Box 70) #1

(1) "

(1) " #2

(1) "

(1) " #3

June

June 5, 1923

May 1923

June 1923



23. 113 *Acanthocereus floridanus* n. sp. (2)

23. 114 *Selenicereus spinulosus* (2)

23. 115 *Epiphyllum* (1)

23. 116 *Epiphyllum oxypetalum* (cult) (2)

23. 117 *Epiphyllum oxypetalum* (cult) (1)

23. 118 *Epiphyllum* cult. (1)

23. 119 *Epiphyllum* cult. (1)

23. 120 *Selenicereus* (cult) (2)

23. 121 *Rhipsalis coccinea* (cult) (1)

23. 122 *Acaahocereus pentagonus* (2)

23. 123 *Hypocistis* (2)

23. 124 *Styllopsiphium edule* (Mitt) B. & R. (2)

23. 125 *Dudleya delicata* Rose. (2)

23. 126 *Epiphyllum adelinae* n. sp. (2)  
Died July 1924. Referto W.R. Maxon letter June 12, 1923, Balboa C.Z.

23. 127 *Dudleya* (1)

23. 128 *Cactus oaxacensis* B. & R. n. sp. (1)

Florida

Mexico (nomenclature) J. R. Small June 15, 1923

Ill. (cult.) Dr. Miles Medical Co., H. B. Gamble. York, 1923

Panama, Balboa C.Z. Mrs. Paul Brundage (Quivera R. #1) June 13, 1923

W. R. Maxon. # 6768.

# 6836

# 6833

# 6835

# 6834

# 6925

Panama, One mile E. of Panama City June 12, 1923  
W. R. Maxon # 6967  
(with 6962)

# 6968

California, SW corner of Riverside Co. June 19, 1923  
P. A. Murray 7130 (Riverside College, Claremont, Cal.)

# 7131

Panama, Balboa cult. in garden of C. W. Powell. from (Juan Diaz, regid) W. R. Maxon. # 7079.

California, Fish Canyon, San Gabriel Mts. June 25, 1923  
A. Davidson 5528.

Mexico, Zaenapan, Vera Cruz. June 16, 1923  
C. A. Purpus.



- 23.129 *Peeskia conzatti* B+R (3)  
oaxacana
- 23.130 *Nyctocereus guatemalensis* B+B (3)
- 23.131 *Cephalocereus collinsii* B+R + sp. (4)
- 23.132 *Neomammillaria collinsii* B+R (3)
- 23.133 *Acanthocereus pentagonus* (2) B+B (1)
- 23.134 *Opuntia* (1)
- 23.135 *Corypantha nemeritica* (3)
- 23.136 *Passiflora ~~seemannii~~ vitifolia*
- 23.137 " *tristis* Lam.
- 23.138 *Cucurbitaceae?* *Did. dist. 1924*
- 23.139 *Sedum ~~obtusatum~~ oregana* (mult) B+R. (1)
- 23.140 *Cephalocereus ~~tenax~~ collinsii* (1)
- 23.141 *Leptocereus leoni* B+R. (1)
- 23.142 *Lidanea* Bromeliad. (1)
- 23.143 *Corypantha communis* B+R. (1)

San Jeronimo, Oaxaca  
Mexico, ~~Vuabag, Zampapan, Huasteco~~ y 16, 1923.  
C.A. Purpus.

# 6(2)

# 5

# 6

# 7

# 8

California, Alhambra  
E.C. Root.

June 25 1923.

Japia River, Panama (No herb. spec. made by L. B. B.)  
M.R. Mayon 6683 6/1/23

Zacupam, Vc. Mex.  
C.A. Purpus (#4)

Veracruz

Rancho Tadero (sent by Purpus) 5/23/23

B.C., Agassiz

J.C.V. Piper thru C.F. Newcombe 7/9/23

Mexico, Tehamapac

C.A. Purpus

1923

Cuba, Top of Loma de Somonostro Yamaica (Havana)

Leon de Roig. #11446.

6/2/23

Mexico, Barranca, <sup>hanging</sup> Guadalupe, Jalisco. 1920 m.

Rebo #4712

Mexico, ?

May 1923

Goeschme #4705 (Rebo)



23.144 Mammillaria magnanima (1)

23.145 Mammillaria auriceps (1)

23.146 Mammillaria scurpeiana B+R (1)

23.147 Mammillaria jaliscana B+R (1)

23.158 Ferocactus Echinocereus (1)

23.159 Lemniscocereus brederi (1)

23.160 Nyctocereus serpentinus (1)

23.161 Dierama testudo B+R (1)

23.162 Selenicereus (1)

23.163 Apocactus (1)

23.164 Acanthocereus (1)

23.165 Hylocereus undatus (1)

23.166 Hylocereus purpurii (1)  
"Pitajaya"

23.167 Acanthocereus (1)

23.168 Cactus ouxacensis (1)

23.169 Mammillaria esseriana Böd sp. (1)

Numbers missing in 9th book

Mex 23.148

? 23.149

Mex 23.150

Mex 23.151

Mex 23.152

Mex 23.153 Pachycereus gaudieri

Mex 23.154

Mex 23.155

Mex 23.156

Mex 23.157

Mex ~~23.158~~

Mex

Mex

Mex

Mex

Mex

Germany, (Central America) Colm. am Rhein  
Bochum



23-144 Mammillaria magnimamma (1)

23-145 Mammillaria auriceps (1)

23-146 Mammillaria scurpeiana B+R (1)

23-147 Mammillaria jaliscana B+R (1)

23-158 Ferocactus Echinocactus (1)

23-159 Lemniscocerus treleri (1)

23-160 Nyctocereus serpentinus (1)

23-161 Dexamia testudo B+R (1)

23-162 Selenicereus (1)

23-163 Apocactus (1)

23-164 Acanthocereus (1)

23-165 Hylocereus undatus (1)

23-166 Hylocereus purpusii (1)  
"Pitajaya"

23-167 Acanthocereus (1)

23-168 Cactus oaxacensis (1)

23-169 Mammillaria esseriana B&H sp. (1)

Mexico; Valle de Mexico May 1923

Groschner # 4699 (Rebo)

?

May 1923

Groschner # 4204 (Rebo)

Mexico; Barranca <sup>Huana</sup> Jal.

May 1923

Rebo # 4707

Mexico; Barranca Huana, Guadalupe

Rebo # 4707

Mexico? local

May 1923

Groschner # 4706 (Rebo)

Mexico; Guitla Oax.

1922

Rebo 4716

Mexico; Jalisco (cult)

May 1923

Rebo 4700

Mexico; Loma Bonito. Oax.

Apr 1923

Rebo 4697

Mexico; Sta Lucrecia Ver.

Apr 1923

Rebo 4696

Mexico; Sta Lucrecia Ver.

May 1923

Rebo 4711

Mexico; Tuxtla, Oax.

Apr 1923

Rebo 4701

Mexico; Cuernavaca? Morel?

Apr 1923

Rebo 4715

Mexico; Jajala Jal.

May 1923

Rebo 4702

Mexico; Tuxtla, Oax.

May 1923

Rebo 4714

Mexico; Tehuacan

Rebo

Germany, (Central America) Coln am Rhein  
Boediker



23-170 *Mammillaria gracilis* Engelm. (1)

23-171 *Mammillaria multicaudata* B&D (1)

23-172 *Mammillaria gracilis robustior* (2)

23-173 *Mammillaria subtilis* B&D spec. (1)

23-174 *Mammillaria sphaerica* Dietl. (1)

23-175 *Echinocactus fassensianus* B&D (1)

23-176 *Ouedya rusbyi* (1)

23-177 *Lemaireocereus* (2)

23-178 *Opuntia* (1)

23-179 *Opuntia* (1)

23-180 *Opuntia* (1)

23-181 *Yateophya* (2)

23-182 *Opuntia polycantha* Haw. (1)

23-183 *Olea vera* L. (1)

23-184 *Ormosia* (1)

23-185 *Rhipsalis maxonii* (3)

Germany, Coln an Rhein  
Boedeker

"

"

" (Mexico)

"

"

"

"

Arizona

Mrs. Mary Wright. % Geo William Bassett  
July 12,

Texas, near Brownsville

Robert Penyon.

Georgia, % Prof. H.

W.R. Mc. Attee.

June 23, 1923

"

"

"

"

, Potham Hammock

June 24, 1923

Mexico, 50 mi. W. of Matamoros

Robert Penyon

July 18, 1923

Wyoming, near Thermopolis

Dana Lee #1.

July 14, 1923

Guatemala City

"

% J. Salas

"

Nicaragua, Mombacho volcano.

W.R. Maxon 7255



25.186 *Opuntia polyacantha*

23.187 *Epiphyllum*

23.188 *Lemaireocereus aragonii*

23.188a " " (seed)

23.189 *Hyloterium*

23.190 " "

23.191 *Opuntia polyacantha*

23.192 *Pediocactus simpsonii*

23.193 *Opuntia polyacantha*

23.194 *Opuntia polyacantha*

23.195 *Coryphantha virgata*

23.196 *Opuntia polyacantha*

23.197 *Opuntia*

23.198 *Opuntia*

23.199 *Pediocactus simpsonii*

23.200 *Opuntia*

(1) Montana, Warren, Rocky Soil  
Dana Lee #2

(1) Costa Rica  
W R Maxon 8278

(1) " " 7858

(1) " " 7858 #4

(1) Nicaragua  
" 7168

(2) " " 7199

(2) Montana Sandy soil near Billings.  
Dana Lee #3. Aug 1, 1923

(5) Utah, Salina  
C D Marsh.

(3) Montana, Roundup (Rocky Soil)  
Dana Lee #4 Aug 5, 1923

(3) " 10 mi n. of Roundup, Devils Basin  
" #5 Aug 7, 1923

(2) " " #5a

(4) " Gardiner #6 Aug 10, 1923

(15) Utah: Burkes  
Marcus E Jones #1 June 29, 1923

(2) " Eagle Canyon.  
" #2

(2) " " #4

(2) " " #3



23-201	<i>Opuntia polyacantha</i>	(3)	Wyoming, Arice (Rocky soil)	Dana Lee # 7	Aug 16, 1923
23-202	<i>Sedum = Gormannia origana</i> Britt	(12)	B. Columbia, Victoria	C. F. Newcombe.	Aug 14, 1923
23-203	<i>Lemaurococcus eburneus</i>	(1)	N. Mexico	A. V. Fries	Aug 8, 1923
23-204	<i>Cephalocereus palmeri</i> B+R.	(12)	"	"	"
23-205	<i>Anastrocactus megarrhiza</i>	(5)	"	"	"
23-205a	" " (2)	(2)	"	"	"
23-206	<i>Echinocereus reichenbachii</i>	(3)	"	"	"
23-207	<i>Astrophytum asterias</i>	(3)	"	"	"
23-208	<i>Neomammillaria hemisphaerica</i> B+R	(13)	"	"	"
23-209	<i>Echinofossulocactus</i>	(1)	"	"	"
23-210	<i>Echinocereus</i>	(1)	"	"	"
23-211	<i>Rhipsalis coccinea</i> bacillifera	(1)	Florida Wallenstein hammock W. of Kendall	C. A. Mosier (nypq)	Aug 5, 1923
23-212	<i>Pediocactus simpsonii</i>	(4)	Wyoming, 15 mi. S. of Laramie	Dana Lee 9	Aug 24, 1923
23-213	<i>Conyopacha vivifera</i>	(12)	Wyoming, Douglas	Dana Lee 8.	Aug 19, 1923
23-214	<i>Pediocactus simpsonii</i>	(11)	"	" 8a	"
23-215	<i>Ipomoea ?</i>	(1)	Dominican Rep.	Dr. W. L. Bennett 2424	May 5, 1922



23.216 *Cassia grandis*

(seed)

23.217 *Gormania oreana*

23.218 *Sedum divergens*

23.219 *Mesembryanthemum crystallinum*

23.220 *Cephalocereus bartschii* n. sp.

23.221 *Dylocereus undatus* (Haw.) B. & R.

23.222 *Opuntia dillenii* Haw.

23.223 *Manfreda ligula*

23.224 *Escobaria tuberculata* (det. 23-25) +2

23.225 *Opuntia leptocaulis*

23.226 "

23.227 *Echinocactus horizontalis*

23.228 *Coryphantha macromeris*

23.229 *Echinocereus dasyacanthus*

23.230 *Mammillaria arizonica*

Dominican Republic, San Francisco de Macoris

W. L. Abbott 2207

Agassiz, Lower Fraser river, B.C.

W. B. Anderson

Stuart's Lake, B.C.

Scarborough, Maine

A. H. Norton

San Salvador I., Bahamas

Paul Bartsch.

9/15/23

1921

Georgia, Fort Out Mt. above  
Moul.

Carlsbad, N. Mex.

W. S. Lee

9/26/23

9/29/23

Mt. Graham, Ariz. C. B. Owen  
also found at 4700 ft.



23. 231

*Lilaea* or *Guzmania*

23. 232 *Salvia lindeni* Bth

23. 233 *Verbena elegans*

23. 234 *Sedum moreanense*

23. 235 " *diversifolium*

23. 236 " *arifolium*

23. 237 *Echeveria*

23. 238 *Sedum frutescens*

23. 239 *Peperomia umbilicata*

23. 240 *Sedum boeticum* Gaul.

23. 241 *Crassula indica*

23. 242 "

23. 243 *Sedum oxypetalum*

23. 244 " *diversifolium*

23. 245 "

Eymontiers, Haute-Vienne, France  
G. Thomas-Duriv

(South Africa)

Lake Tahoe, Calif., Kessler  
(Davidson 3580) Sept. '23



23.246 *Echinocereus reichenbachii*

23.247 *Neolloydia coryphantha schrenkii* →

23.248. *Echinocereus delaceti* Gieske

23.249 (Cactus)

Sed

23.250 *Epiphyllum crenatum*

23.251 *Selenicereus macdonaldiae*

23.252 *Selenicereus*

23.253 *Opuntia basiliensis*

23.254 *Opuntia*

23.255 *Opuntia* (See 23.224)

23.256 *Echeveria whitii*

23.257 *Nomammillaria*

(spines straight)

23.258 *Nomammillaria*

(spines hooked)

23.259 *Coryphantha scherii*

large seeds

23.260 *Coryphantha heyeri*

(small seeds)

23.261 *Echinocereus*

Uvalde, Texas

J.C. Haurin

San Pedro, Coahuila, Mex.

G. F. Moeller

Oct. '23

Sept 23

Ecuador, Quito

Oct 15, 1923

Chapman % Anchang % Söderström

Ill. Chicago cult. (Flowers red)

Richard Kuschel #1

Oct. 15, 1923

#2

#3

#4

#5

New Mexico. Carlsbad.

W.S. Lee

Brooklyn Bot. Gard.

Oct 18, 1923

Mr Free (Det) thru Mr White.

Mexico

Frederick

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Mexico, Oaxaca, Tepic

Oct 31, 1925

Rebo # 4813.



23.262 *Nomammillaria occidentalis* B+R (2)

23.263 *Epiphyllum* (Cult.) (1)

23.264 *Cactus oaxacensis* B+R (1)

23.265 *Hylocereus undatus* B+R (1)

23.266 *Selenicereus* (2)

23.267 *Aphelocereus collinsii* B+R (2)

23.268 *Epiphyllum stenopetalum* (2)

23.269 *Acanthocereus pentagonus* (1)

23.270 *Aphelocereus* (4)

23.271 *Hylocereus guatemalensis* ? (3)

23.272 *Rhipsalis tucumanensis* 1

23.273 *Rhipsalis tucumanensis* ? 1

23.274 *Opuntia pascoensis* B+R ? 1

23.275 *Opuntia pascoensis* B+R 1

23.276 *Opuntia* 1  
grown from seeds

23.277 *Nomammillaria mammillaris*.

Mexico - Manzanillo, Col. Oct 31, 1923,  
Rebo # 4810.

" - San Antonio  
Rebo # 4811

Mexico, Monserata (mountain)  
Ca. Pueras # 15

" (Hw. + R. B.)  
" no #.

" (on rocks)  
" # 18

" Oaxaca  
" # 22

" Monserata (on cultivated, damp fields)  
" # 21

" (same)  
" # 17

" (same)  
" # 16

San Salvador (wild plant)  
Salvador Calderon # 1820.

Eastern Peru  
Bues # 1332 from Herbario of Cusco.

"  
" # 1333 "

"  
" # 1331 "

"  
" # 1330 "

Illinois, Chicago  
Richard Renschell

Paraguaná, Caracas Oct 22, 1923,  
H. Pittier



- |        |  |     |   |            |
|--------|--|-----|---|------------|
| 23.278 | <i>Bryophyllum</i><br><i>Kalanchoe</i>     | (1) | Colombia El Colegio, Dept of Cundinamarca                     | July 1922  |
| 23.279 | <i>Iberella lindheimeri</i><br>(seed)      | (1) | Texas, Brownville<br>Robert Runyon                            | 1922       |
| 23.280 | <i>Wilcovia</i>                            | (1) | Mexico, Sonora<br>D.T. MacDougal & F. Shreve.                 | Mar 20, 23 |
| 23.281 | <i>Opuntia Kunzei</i> Rose                 | (2) | " Pass in hills 10 mi SW of Pogo Verrugo (Presumably ancient) | Mar 22, 23 |
| 23.282 | <i>Opuntia</i>                             | (1) | " (char. by poor armature) near San Rafael Ranch              | Nov 22, 23 |
| 23.283 | <i>Opuntia</i>                             | (1) | " (char. by yellow spines)                                    | Nov 19, 23 |
| 23.284 | <i>Echinocereus fendleri</i>               | (2) | " Pres. W. Pogo Area  |            |
| 23.285 | <i>Echinocereus</i> <i>scopulorum</i> POTT | (2) | " On Limestone near Tinajas 17 mi W of Pogo Area              | Mar 18, 23 |
| 23.286 | <i>Neomammillaria</i>                      | (1) | " Limestone hills between Altamira & Oquitos                  | Nov 21, 23 |
| 23.287 | <i>Neomammillaria</i>                      | (1) | " (on tag)  |            |
| 23.288 | <i>Coryphantha erecta</i>                  | (1) | Mexico<br>A.V. Fric.  |            |
| 23.289 | <i>Coryphantha</i>                         | (1) | "   |            |
| 23.290 | <i>Coryphantha altamirani</i> Rose         | (1) | "   |            |
| 23.291 | <i>Coryphantha connexa</i>                 | (1) | "   |            |
| 23.292 | <i>Coryphantha salisii</i> Wyp             | (1) | "   |            |
| 23.293 | <i>Coryphantha radians</i>                 | (1) | "   |            |



- 23.294 *Corypantha* (1)
- 23.295 *Corypantha* (1)
- 23.296 *Corypantha* (1)
- 23.297 *Corypantha* (1)
- 23.298 *Corypantha* (1)
- 23.299 *Escobaria* (1)
- 23.300 *Escobaria* (1)
- 23.301 *Thelocactus bicolor* (1)
- 23.302 *Thelocactus pottsii* (1)
- 23.303 *Thelocactus* (1)
- 23.304 *Thelocactus* (1)
- 23.305 *Neomammillaria laevis* (1)  
*Found March 25 1921* 8/30/29 (5)
- 23.306 *Sfombocactus* (1)
- 23.307 *Neolloydia* (1)
- 23.308 *Neomammillaria eschmayeri* (1)
- 23.309 *Neomammillaria campocarpa* (1)

Mexico

A.V. Finis.

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- 23-310 *Pelecypora* (1)
- 23-311 *Tiliocactus* (1)
- 23-312 *Tiliocactus* (1)
- 23-313 *Tiliocactus* (1)
- 23-314 *Arrocarpus furfuraceus* (1)
- 23-315 *Ancistrocactus megaschizus* B&P (1)
- 23-316 *Obregonia* (1)
- 23-317 *Echinocactus* (1)
- 23-318 *Arrocarpus trigonus* (1)
- 23-319 *Echinomastus macdonellii* (1)
- 23-320 *Echinocactus* (1)  
(seed)
- 23-321 *Tillandsia* (1)
- 23-322 *Hymenocallis* (2)
- 23-323 *Agave*
- 23-324 *Yucca*
- 23-325 *Agave* (2)

Mexico

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Florida, Laguna Road Hwy  
Lh, Bartsch

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Middle Cape Salalah

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1924

24.1 *Opuntia arenaria* (1)

24.2 *Echinocereus dasyacanthus* (1)

24.3 *Neomammillaria* (1)

24.4 *Solisia* (2)

24.5 *Escobaria argentia* (1)

24.6 *Lophophora* (1)

24.7 *Neomammillaria denuda* (1)

24.8 *Astrophytum senilis* (1)

24.9 *Escobaria* (1)

24.10 *Epithelantha micromeris* (2)

24.11 *Escobaria* (1)

24.12 *Echinocactus longispinus* (1)

24.13 *Echinocactus unguispinus* (1)

24.14 *Echinomastus* (1)

24.15 *Gymnocladus* (1)  
and

Texas, El Paso (Mexican side)

Clare McElroy Slater

Texas, El Paso

Chas. Hammond

Mexico

A. V. Fric

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Texas, El Paso

A. V. Fric (see 21-294)

DC, Smithsonian grounds

by J. M. Rose

Jan. 26. 1924.



24-16 *Opuntia acuminata* 2

24-17 *Opuntia acuminata* 2

24-18 *Echinocereus rigidissimus* Rose 1

24-19 *Neotessera missouriensis* (Swat) BoR 1

24-20 *Neomammillaria meiacantha* 1

24-21 *Echinocereus rigidissimus* Rose 3

24-22 *Opuntia penlandii* John Dyck 1

24-23 *Cassia laurigata* Willd  
(seed) 1

24-24 *Echinocereus delacruis* 2

24-25 *Leuchtenbergia principis* 1

24-26 *Eurocactus wislizeni* 2  
(seed)

24-27 *Opuntia* 2  
(seed)

24-28 *Opuntia fulgida* 2  
(seed)

24-29 *Neomammillaria meiacantha* 1

24-30 *Echinomastus nitidus* 4

24-31 *Echinocereus chloranthus*

Texas, El Paso Jan 21  
T. Hammond

Mexico  
"

New Mexico Animas Mt. Grant Co.  
Susan Patterson

North Dakota, Bad lands, Medora  
C.R. Ball 2151

Texas, El Paso  
Chas Hammond

Arizona, Santa Rita Mts.  
Edwin B. Bartram

Bellevue, Wyo.  
A.C. Hitchcock

Porto Rico  
N.L. Britton & E.G. Britton 7256

Mexico (northern) San Pedro  
Arthur F. Moeller

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Arizona, Tucson  
Edwin B. Bartram

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Texas, Alpine  
Jas H. Fenner 401 A.

"  
401 B.

"  
401 C.

Collected July 25, 1923  
plant Feb 7, 1924  
Feb 4, 1924

Feb 11, 1924

Jan 1924

Feb 1924

Feb 18

Feb 28



24-32	Echinocactus	1	Texas, alpine	
24-33	Neomammillaria denudata	1	Texas, Sierra Blanca	Yas H. Ferriss 401 d. March 8, 1924 Vernon Bailey
24-34	Escobaria tuberculata	2	"	"
24-35	Echinocereus dasyacanthus	3	"	"
24-36	Samuelia foxoniana (seed)	1	"	"
24-37	Chamaefistula macquillata (seed)	1	Guianas, Gleason.	
24-38	Echinocereus	1	Texas, alpine	March 13 James H. Ferriss 402 a
24-39	Echinocereus	2	"	" 402 B
24-40	Coryphantha macromeris	1	"	" 402 C.
24-41	Neomammillaria denuda	3	"	" 402 d.
24-42	Escobaria tuberculosa	1	"	" 402 e.
24-43	Echinocereus dasyacantha	3	"	" 402 F.
24-44	Echinocereus dasyacantha	2	"	" 402 g.
24-45	Opuntia leptocaulis DC.	1	"	" 402 H.
24-46	Opuntia grahamii	1	"	"
24-47	Opuntia	1	"	"



24-48 *Homalocephalus texensis*

1

Texas, Rio Grande

J. H. Fries 403.

24-49 *Homomimallaria pottsi*

2

"

" 403 a

24-50 *Corypantha macromeris*

1

"

" 403 c

24-51 *Oriocarpus furfuraceus*

2

"

" 403 B

24-52 *Echinocereus dasyacanthus*

1

"

"

24-53 *Echinomastus ferrissii* ~~Boott~~

3

"

Small hills on foot of Rio 10 miles N. of Terlingua

24-54 *Escobaria*

1

"

"

24-55 *Hetchia texensis* Watson

1

"

" 403 E.

24-56 *Ferocactus uncinatus* ~~Boott~~

1

"

"

24-57 *Selaginella*

7

"

" 403 D

24-58 *Echinocereus*

3

Texas

J. H. Fries

24-59 *Echinocereus viridiflorus*

4

"

"

24-60 *Opuntia*

1

"

"

24-61 *Opuntia*

1

"

"

24-62 *Corypantha minor*

2

St. Thomas, Louisiana.

Fanchild

24-63 *Agave rigida - variegata*

"

"



- 2464 (1)
- 24-65 *Escobaria* (Yam) (2)
- 24-66 *Epithelantha micromeris* (3)
- 24-67 *Neomammillaria denudata* (2)
- 24-68 *Escobaria tuberculata* (2)
- 24-69 *Echinocereus dasyacanthus* (4)
- 24-70 *Coryphantha nemorensis* (Engelm) B. & R. (1)
- 24-71 *Coryphantha macromeris* (3)
- 24-72 *Echinocereus dasyacanthus* (6)
- 24-73 *Echinocereus Lloydii* (2)
- 24-74 *Coryphantha echinatus* (Engelm) B. & R. (1)
- 24-75 *Coryphantha pectinata* B. & R. (4)
- 24-76 *Dudleya collinsiae* (1)
- 24-77 *Grisonia bradtiana* (Covet) B. & R. (1)
- 24-78 *Echinocereus* (1)
- 24-79 *Neomammillaria moelleriana*  
Same as 25-145

Texas.

Y. A. Fenice

- " 406
- " 407 a
- " with 407 a
- " 407 b.
- " 407 d.
- " 407 F.
- " with 407 F.
- " 407 g.
- " 407 H
- " 406 C
- " with 406 C.

Arizona, Payson

ms. W. B. Collins.

Mexico, S. Pedro

A. F. Moeller #1

" Durango

#2

" (Durango<sup>2</sup>)

#3

March 14.



24.80 Echinofossulocactus multicastratus (1)

24.81 Thelocactus ~~head~~ 3-27- (1)

24.82 Echinocactus horizontalis (1)

24.83 Neomammillaria candida (1)

24.84 Neomammillaria lutea (1)

24.85 Ariocarpus kotschubeyanus (1)

24.86 Leuchtenbergia (1)

24.87 Epithelantha micromeris (1)

24.88 Echinocactus palmeri (1)  
(seed)

24.89 Ariocarpus lloydii (1)  
(seed).

24.90 Harrisia fragrans or simpsonii (1)  
(seed)

24.91 Apheloceros nobilis (1)

24.92 Echinocereus (1)

24.93 Echinocereus (1)

24.94 Echinocereus (1)

24.95 Mamillopsis (1)

Mexico, Durango  
A.F. Mueller # 4

" " # 5

" " # 6

" Coahuila # 7

" " # 8

" El Paso # 2 C

" " B

" " a

" (northern) -

" " -

Florida, Sarasota Key  
F.V. Coville # 24

Porto Rico, San Juan  
O.W. Barrett

Mexico, Durango  
J.G. Ortega # 1

" " # 2

" " # 3

" " # 4

Mar 18



24.96 <i>Ferocactus</i>	(1)	Mexico, Durango, J. J. Ortega # 5.
24.97 <i>Agave</i>	(1)	" # 6
24.98 <i>Thelocactus bicolor</i>	(1)	Texas, J. H. Ferriss # 409 a.
24.99 <i>Neomammillaria</i>	(1)	" # 409
24.100 <i>Escobaria</i>	(1)	" # 409 c
24.101 <i>Ferocactus imbricatus</i> B+R	(1)	" -
24.102 <i>Escobaria</i>	(1)	" # 408 B
24.103 <i>Epithelantha</i>	(2)	" -
24.104 <i>Escobaria</i>	(3)	" -
24.105 <sup>dead 1926</sup> <i>Neomammillaria denudata</i>	(3)	" -
24.106 <i>Neolloydia texensis</i>	(15)	" # 410 a
24.107 <i>Escobaria</i>	(3)	" # 410
24.108 <i>Escobaria</i>	(1)	" # a
24.109 <i>Escobaria</i>	(1)	" # B
24.110 <i>Escobaria</i>	(1)	" # c
24.111 <i>Coryphantha</i>	(2)	" 411



24.112 *Echinocereus* (1)

24.113 *Coryphantha pectinata* (5)

24.114 *Coryphantha echinus* (5)

24.115 *Neotessera missouriensis* (2)

24.116 *Mormoniella wilcoxii* (1)

24.117 *Coryphantha* (1)

24.118 *Coryphantha* (1)

24.119 *Coryphantha* (1)

24.120 *Coryphantha* (1)

24.121 *Opuntia* (2)

24.122 *Opuntia* (1)

24.123 *Opuntia* (2)

24.124 *Echinocactus horizontalis* (1)

24.125 *Echinocereus reichenbachii* (1)

24.126 *Opuntia* (1)

24.127 *Opuntia* (1)

Texas

J. H. Ferris # 414 B.

North Dakota, Jamestown

Arizona Glen Berner

Arcutt 1924: 203

" 1924: 204

" 1924: 205

" 1924: 206

" 1924: 207

Texas

J. H. Ferris # 416

" # 417

" # 417 a

" # 417 b

" # 417 c

" # 418

" # 419



24.128 *Opuntia* (1)

24.129 *Neomammillaria* (1)

24.130 *Homalocephalus texensis* (2)

24.131 *Pellaea flexuosa* (1)

24.132 *Cheilanthes horridula* (1)

24.133 *Notholama schaffneri* (1)

24.134 *Dudleya* (1)

24.135 *Dudleya* (1)

24.136 *Dudleya* (1)

24.137 *Opuntia triacantha* (2)

24.138 *Cephalocereus royeri* (2)

24.139 *Opuntia dillenii* (1)

24.140 *Cephalocereus royeri* (1)

24.141 *Nopalea cochenillifera* (1)

24.142 *Selenicereus spinulosus* (2)

24.143 *Euphorbia antiquorum* L. (2)

Texas

J. H. Fennis # 419a

# 419b

# 419c

Arizona, Payson

Mrs. W.B. Callow

California, Fresh Canyon, San Gabriel Mts.

A. Davidson # 3578

Ventura Co.

# 3590

St. Kitts

J. Miller

Antigua, Mucle

Mexico, Monterrey

J.B. Mac Millan

St. Thomas

Fairchild

Mar 30



- 24-144 *Selenicereus grandiflorus* (1)
- 24-145 *Opuntia repens* (1)
- 24-146 *Escobaria tuberculata* (1)
- 24-147 *Echinocactus horizontalis* (1)
- 24-148 *Escobaria tuberculata* (1)
- 24-149 *Echinocereus dasyacanthus* (1)
- 24-150 *Ferocactus emarginatus* (1)
- 24-151 *Coryphantha mexicana* (1)
- 24-152 *Neomammillaria lydfi* (2)
- 24-153 *Ferocactus hamatacanthus* (2)
- 24-154 *Ariocarpus furfuraceus* (3)
- 24-155 *Echinocereus* (2)
- 24-156 *Coryphantha echinus* (4)
- 24-157 *Mammillaria pusilla texana* (3)
- 24-158 *Echinocereus dasyacanthus* (1)
- 24-159 *Opuntia greggii* (1)

Bermuda

J. Miller

St Thomas

New Mexico, Carlsbad Caves  
D.W. Lee. #6

" #7

" #8

" #9

" #10

" #11

Texas

James H. Feriss 425

" -

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" 421

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" 420

" 422

" -



- 24-160 *Perocactus imbricatus* (1)
- 24-161 *Echinocereus* (1)
- 24-162 *Homalocephalala texensis* (1)
- 24-163 *Eseclaria* (1)
- 24-164 *Coryphantha* (1)
- 24-165 *Coryphantha neomercuria* (1)
- 24-166 *Neomammillaria denuda* (1)
- 24-167 *Echinomastus intertextus* (1)
- 24-168 *Opuntia kumzei* (1)
- 24-169 *Cereus validus* (1)
- 24-170 *Selenicereus spinulosus* (1) (red)
- 24-171 *Echinocereus* (1)
- 24-172 *Ancistrocactus brevichamatus* (4)
- 24-173 *Coryphantha echinura* (3)
- 24-174 *Ariocarpus purpuraceus* (3)
- 24-175 *Neomammillaria glomerata* (1)

- Texas
- Y.H. Fernald -
- " 423
- " -
- New Mexico
- Ariz.
- Texas, El Paso
- "
- "
- "
- "
- "
- Arizona, Tucson
- F. Shreve
- France, Nice
- A. Robertson - Proschowsky & C. Thomas usage. S.P. 1. 5894
- Mexico
- Lloyd ("Medicine Cactus")
- Texas, High Bridge, Pecos River
- Y.H. Fernald 426 D
- " 426 + 426 C
- " 426 A
- " -
- " -
- " -



- 24-176 *Escobaria* (1)
- 24-177 *Sedum* (1)
- 24-178 *Euphorbia antisiphilitica* Zucc (1)
- 24-179 *Dudleya callomae* n. sp. (1)
- 24-180 *Opuntia santa-rita* (1)
- 24-181 *Opuntia biglora* (1)
- 24-182 *Neomammillaria macdougalii* (1)
- 24-183 *Perocactus latipinnus* (Haw) B. & R. (1)
- 24-184 *Thelocactus nudulans* B. & R. (1)
- 24-185 *Ariocarpus retusus* (1)
- 24-186 *Echinomastus durangensis* B. & R. (1)
- 24-187 *Neomammillaria* (1)
- 24-188 *Neomammillaria compressa* (1)
- 24-189 *Echinocactus palmeri* Rose? (1)
- 24-190 *Echinocactus palmeri* Rose? (1)
- 24-191 *Neomammillaria chinoccephala* (Purpus) B. & R. (1)

Texas: High Bridge, Pecos River  
 " y-H Fernis

Arizona, Payson  
 Rose C. Collom.  
 " Tucson  
 Faust Shreve.

Apr 21

Apr 22

Mexico, San Pedro, Coch.  
 Arturo F. Moeller #1

Apr 24

# 2

# 3

# 4

# 5

# 6

# 7

# 8

# 9



24.192 *Pachycereus marginatus*

(1)

Mexico, San Pedro, Coah.

Arturo F. Moeller # 10

24.193 *Cereus*

(1)

"

# 11

24.194 *Echinocereus*

(1)

"

# 12

24.195 *Nyctocereus*

(1)

"

# 13

24.196 *Thelocactus foeniculatus* B. & R.

(2)

"

# 14

24.197 *Echinocereus*

(1)

"

# 15

24.198 *Coryphantha*

(1)

"

# 16

24.199 *Echinocereus*

(3)

"

# 17

24.200 *Echinocereus*

(1)

"

# 18

24.201 *Echinofossulocactus*

(1)

"

# 19

24.202 *Echinofossulocactus*

(2)

"

# 20

24.203 *Echinocereus*

(4)

"

# 21

24.204 *Coryphantha*

(1)

"

# 22

24.205 *Coryphantha*

(1)

"

# 23

24.206 *Hamatocactus setispinus*

(1)

Texas, Bank of Nueces near Laguna

J. A. Ferris 431

24.207 *Echinocereus*

(1)

"

" 431 B.



24.208 *Coryphantha sulcata*

24.209 *Echinocereus viridiflorus*

24.210 *Mammillaria denudata*

24.211 *Opuntia engelmannii*

24.212 *Cylindropuntia bella*

24.213 *Hamatocactus setispinus*

24.214 *Opuntia opuntia*

24.215 *Heeria elegans*

24.216 *Chorizanthe fensholtii*

24.217 *Coryphantha deserti*

24.218 *Hyloteuichus undatus*

24.219 *Echinocereus rostratus*

24.220 *Coryphantha scheeri*

24.221 *Echinocereus viridiflorus*

24.222 *Echinocereus chloranthus*

24.223 *Cylindropuntia*

Texas, Banks of Nueces near Laguna.

J.H. Ferris # 431C.

Texas, 14 mi. n. of El Paso.

(Chas. Hammond) Arcutt 1924: 276

"

Arcutt 1924: 272

"

" 1924: 275

" Del Rio

J.H. Ferris 426

"

" 427

Maryland, Leonard town

A.C. Brooks

Mexico in 1899

J.M. Rose (Cuttings for N.Y.S.G.)

Texas, Box Canyon below Sierra Blanca on mountain

Susan Pattison.

California, Cottonwood Springs

B. W. Evenden

Mexico, Xicotencatl

May 8, 1921

J.H. Lloyd.

Texas, El Paso

Arcutt

"

"

"

Hammond

"

"

Grenada

J. Miller #1



- 24.224 *Cereus hexagonus* ✓ (1)
- 24.225 *Aphelocereus* ✓ (1)
- 24.226 *Aphelocereus* ✓ (1) Seed (1)
- 24.227 *Acanthocereus* (1)
- 24.228 *Selenicereus* (1)
- 24.229 *Hylocereus* (1)
- 24.230 *Opuntia dillenii* (1)
- 24.231 *Opuntia* (1)
- 24.232 *Nopalium* (1)
- 24.233 *Hylocereus* (1)
- 24.234 *Opuntia dillenii* (1)
- 24.235 *Nopalium cochimilifera* (1)
- 24.236 *Aphelocereus barbadensis* (1)
- 24.237 *Cactus* (1)
- 24.238 *Echinocactus denudatus arizonicus* (1)
- 24.239 *Echinocactus denudatus arizonicus* (1)

Grenada

#2

"

#3

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#4

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#6

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#7

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#9

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#10

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#8

Barbados

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"

"

St. Kitts near Basseterre

Germany, Köln

Fr. Bodeker

"

Feb. 24, 1924

Feb. 24, 1924



24.240 *Mammillaria dyckiana*

(1)

Germany Köln

Böden

24.241 *Mammillaria calochlora*

(1)

24.242 *Mammillaria lessaminii*

(1)

24.243 *Mammillaria praedii*

(1)

24.244 *Mammillaria fulvoblanca*

(1)

24.245 *Mammillaria caput-medusae*

(1)

24.246 *Mammillaria futilis*

(1)

24.247 *Mammillaria rechartiana* (Seed)

(1)

24.248 *Ferocactus latispinus*

(1)

Mexico, San Pedro, Coah.

May 21

Alturo Fr. Moeller #1.

24.249 *Echinoporeulocactus*

(1)

#2

24.250 *Thelocactus*

(1)

#3

24.251 *Thelocactus lophothela*

(1)

#4

24.252 *Neolloydia*

(1)

#5

24.253 *Thelocactus*

(1)

#6

24.254 *Ancistrocactus sheeri*

(1)

#7

24.255 *Normammillaria chniocephala*

(1)

#8



- |        |  |     |   |             |
|--------|--|-----|---|-------------|
| 24-256 | <i>Neomammillaria chionocephala</i>              | (1) | Mexico, San Pedro, Coah.                        | May 21      |
|        |  |     | Alturo F. Waller # 9                            |             |
| 24-257 | <i>Thelocactus heterocornus</i>                  | (1) | "   | # 10        |
| 24-258 | <i>Coryphantha radians</i>                       | (1) | "   | # 11        |
| 24-259 | <i>Quiocarpus Perocactus Lloydii</i>             | (1) | "   | -           |
| 24-260 | <i>Echinomastus angustepinus</i>                 | (1) | "   | -           |
| 24-261 | <i>Coryphantha nemexicana</i>                    | (2) | Texas: El Paso                                  | May 30      |
|        |  |     | Charles Hammond                                 |             |
| 24-262 | <i>Neomammillaria denudata</i>                   | (2) | "   |             |
| 24-263 | <i>Opuntia</i>                                   | (1) | Utah, Pineda                                    | May 9       |
|        |  |     | J. Hopkins                                      |             |
| 24-264 | <i>Scleroactus whipplei</i> (Engelm + Bgd) B & R | (1) | "   |             |
| 24-265 | <i>Echinocereus</i>                              | (1) | "   |             |
| 24-266 | <i>Zygocactus truncatus coccineus</i>            | (1) | New York, Highland Park Conservatory, Rochester |             |
|        |  |     | Wm. L. G. E. dam                                |             |
| 24-267 | <i>Echeveria runyonii</i> n. sp.                 | (2) | Texas, Brownsville                              |             |
|        |  |     | Robert Runyon                                   |             |
| 24-268 | <i>Opuntia</i>                                   | (2) | Mexico, La Cruz                                 | May 24 1944 |
|        |  |     | J. G. Ortega # 5228                             |             |
| 24-269 | <i>Opuntia</i>                                   | (1) |   | # 5229      |
| 24-270 | <i>Opuntia</i>                                   | (1) |   | # 5230      |
| 24-271 | <i>Opuntia</i>                                   | (1) |   | # 5231      |



- |  |     |  |          |
|--|-----|--|----------|
| 24.272 <i>Rathbunia</i>                  | (1) | Mexico; La Cruz.                       | May 24.  |
| 24.273 <i>Rathbunia</i>                  | (2) | J. G. Ortega # 5232                    |          |
| 24.274 <i>Acanthocereus occidentalis</i> | (1) | # 5233                                 |          |
| 24.275 <i>Opuntia ottagae</i> n. sp.     | (1) | # 5234                                 |          |
| 24.276 <i>Pereskopsis</i>                | (4) | # 5235                                 |          |
| 24.277 <i>Mammillaria mayatlensis</i>    | (1) | # 5236                                 |          |
| 24.278 <i>Mammillaria mayatlensis</i>    | (1) | # 5237                                 |          |
| 24.279 <i>Echinocactus</i>               | (1) | Sianou                                 |          |
| 24.280 <i>Napaea</i>                     | (2) | La Cruz                                |          |
| 24.281 <i>Pereskopsis</i>                | (1) | # 5238                                 |          |
| 24.282 <i>Neomammillaria</i>             | (1) | # 5239                                 |          |
| 24.283 <i>Coryphantha</i>                | (1) | New Mexico, Carlsbad.                  |          |
| 24.284 <i>Neomammillaria vivosa</i>      | (1) | W. T. Lee                              |          |
| 24.285 <i>Agave</i>                      | (2) | California, Chuchawalla, Chocolate mts | June 2.  |
| 24.286 <i>Sclerocactus whipplei</i>      | (1) | E. C. Root.                            |          |
| 24.287 <i>Coryphantha</i>                | (1) | St. Thomas.                            | June 11. |
|  |     | A. S. Fairchild                        |          |
|  |     | Utah, Price                            |          |
|  |     | Joseph D. Hopkins                      | June 11  |
|  |     | Arizona, Tucson                        |          |
|  |     | J. J. Thorne                           |          |



- 24.288 *Selenicereus* (1) Florida June 16,  
Lloyd Brothers YU + YJ Cincinnati Ohio
- 24.289 *Epithelantha micromeris* (1) Mexico, Monterrey Jan 12  
A.F. Moeller # 25
- 24.290 *Neomammillaria* (1) Mexico, San Luis Potosi  
" # 26
- 24.291 *Coryphantha cornigera* (1) " Zacatecas  
" # 24
- 24.292 *Ariocarpus kotschoubeyanus* (1) " (Seed)
- 24.293 *Marsdenia edulis* S. Wats. (1) Mexico (Seed)  
MacDougal
- 24.294 *Selenicereus spinulosus* (1) Mexico, Xicotencatl. Jan 17.  
% Lloyd Brothers
- 24.295 *Sedum ternatum* (1) Kentucky June 1924  
R. Runyon
- 24.296 *Fierocactus johnsonii* B.R. (1) Arizona, Knigsmann  
McClellan Bly
- 24.297 *Opuntia erinacea* Engelm. (1) " "
- 24.298 *Neomammillaria milleri* (1) Arizona, Sacaton  
A.R. Seeling
- 24.299 *Fierocactus bicinctus* (1) " "
- 24.300 *Hylocereus undatus* - (data lost) 1924  
Green House Sept. Agri.
- 24.301 *Selenicereus spinulosus* 3 Mexico, Monterrey  
Y.B. Macmillan
- 24.302 *Opuntia pascoensis* B.R. 1 Peru, Cuzco  
Fortunato L. Herrera # 1 May 19. 1924
- 24.303 *Cereus* 1  
(yellow spine) " # 2



24.304 *Cereus*

Red spine

24.305 *Erdesia squarrosa* B+R.

24.306 *Erdesia squarrosa* B+R.  
(very spiny)

24.307 *Opuntia*

(narrow)

24.308 *Opuntia*

(broad)

24.309 *Opuntia floccosa*

24.310 *Trichocereus cuzcoensis*

24.311 *Lobelia corbula* (Peruvia) B+R.

24.312 *Opuntia*

24.313 (Scotch Broom)

24.314 *Opuntia*

24.315 *Neomammillaria dumata*

24.316 *Opuntia grahamii*

24.317 *Echinocereus dasyacanthus*

24.318 *Cereus*

24.319 *Echinomastus nitidus*

(2)

(1)

(1)

(1)

(1)

(1)

(2)

(1)

(1)

(1)

(1)

(1)

(1)

(2)

(1)

(1)

Peru, Cuzco

Fortunato F. L. Herrera # 23

"

"

# 3

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# 3

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# 4

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# 5

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# 7

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-

Virginia, Lynchburg

Perry

R. Moore

June 27.

"

"

N. Jersey, Millville, Cumberland Co.

A. J. Poole

Texas

Orcutt # 24.493

"

Serra Blanca

"

24.477

"

-

"

24.502

"

Shafter

"

-

24.504



- 24.320 *Opuntia vulgaris* (cult.)  
 24.321 *Opuntia* *Crysan lake flowers* Rare.  
 24.322 *Coryphantha*  
 24.323 *Selenicereus spinulosus*  
 24.324 *Selenicereus spinulosus*  
 24.325 *Coryphantha elephantidens* (seed)  
 24.326 *Coryphantha recta* (seed)  
 24.327 *Mammillaria barwinskiana* (seed)  
 24.328 *Ferocactus nobiles* (seed)  
 24.329 *Ferocactus covillei* (seed)  
 24.330 *Ferocactus flavovirens* (seed)  
 24.331 *Coryphantha cornifera* (seed)  
 24.332 *Mammillaria elongata* (seed)  
 24.333 *Coryphantha echinus* (seed)  
 24.334 *Echinocactus latispinus* (seed)  
 24.335 *Mammillaria uncinata* (seed)

122

Podar Ejecutivo Federal of Chapultepec.  
Yard. But.

82

82

4



- 24-336 *Coryphantha daimonoceras* (seed) 112
- 24-337 *Echinocactus latispinus flavispinus* (seed) 111
- 24-338 *Echinocactus grandis* (seed) 110
- 24-339 *Mammillaria centricrinha* (seed) 109
- 24-340 *Fierocactus macrodiscus* (seed) 108
- 24-341 *Coryphantha retusa* (seed) 107
- 24-342 *Zamia* 106
- 24-343 *Opuntia* 105
- 24-344 *Opuntia* 104
- 24-345 *Opuntia* 103
- 24-346 *Opuntia* 102
- 24-347 *Opuntia* 101
- 24-348 *Coryphantha macromeris* 100
- 24-349 *Echinocereus paucispinus* 99
- 24-350 *Psotaria* 98
- 24-351 *Echinocereus* 97

Mexico

Poder Ejecutivo Federal Jard. Bot. of Chapultepec.

Azores

Corn intercepted at Providence R.I. by C.A. Davis June 30, 1924  
Texas, Dryden (Fed. Nat. Res.)

Orcutt 1924: 781

1924: 782

1924: 783

1924: 780

1924: 786

1924: 776

Texas Sanderson

1924: 645

Texas

1924: 640

1924: 638



- 24.352 *Echeveria goldmani* (1) NY Bot Gard. # 20678  
Mr. Becker
- 24.353 *Pachyphytum amethystinum* (1) # 25-956
- 24.354 *Gormania watsoni* (1) California Oregon July 16  
Carl Purdy % N. L. Britton N.Y. N.Y.
- 24.355 *Echinocereus dasyacanthus* (2) New Mexico, Carlsbad  
Jayer.
- 24.356 *Echinocereus dasyacanthus* (1) Texas, 20 mi. nw. of Van Horn  
Susan Patterson
- 24.357 *Coryphantha muelenpfordii* (1) Texas El Paso  
Patterson Floral Co.
- 24.358 *Echeveria nodulosa* (1) Scotland, Edinburgh.  
(Seed) Royal Bot Garden, % Foreign S. & P. introd. July 18.
- 24.359 *Coryphantha echinina* (1) Texas, Langtry  
Orcutt 1924: 717.
- 24.360 *Opuntia leucostriata* (2) N.Y. Rochester, Department of Parks (Cult.) July 21.  
Wm L. G. Edson O-1379.
- 24.361 *Selenicereus* (1) Cuba, El Cobre 1912  
NYBG 35-226 Britton & Connel 12879.
- 24.362 *Mammillaria verhaertiana* Bod (1) Germany, Coln on Rhine  
Boedeker.
- 24.363 *Ferocactus acanthodes* (1) California, Owens Valley July 24  
Seed. J. H. Ferriss.
- 24.364 *Ferocactus acanthodes* (1/2) " " "
- 24.365 *Opuntia "westringianensis"* (1) Virginia, Limestone ledges at Overall. July 27  
Edgar T. Wherry
- 24.366 *Cassia* (1) Panama  
Seed) C. R. Piper
- 24.367 *Echinocereus* (1) Mexico, Monterrey. July 31  
C. R. Orcutt 1924: 979.



24.368 *Harrisia* //

(cult.)

24.369 *Selenicereus spinulosus* //

(cult.)

24.370 *Acanthocereus* //

24.371 *Harrisia* (cult.) //

24.372 *Escobaria bella* //

24.373 *Sedum nigrifolium* //

24.374 *Escobaria* //

24.375 *Neomammillaria denudata* //

24.376 *Echinomastus intertextus* //

24.377 *Neomammillaria* //

24.378 *Opuntia* //

24.379 *Altamiranoa elongata*

24.380 *Urbinia purpurascens*

24.381 *Hymenocallis amancaes*

24.382 *Rhipsalis sarmentacea*

24.383 *Rhipsalis madagascariensis*

Texas, Laredo Aug 31

C.R. Orcutt 1924:1018

Mexico, Monterrey

" 1924:1012

Texas, Laredo

" 1924:1020

" 1924:1004

" , Devil's River

" —

" —

" —

" —

" —

Texas, Oro Grande, 52 mi. n. of El Paso. Aug 29

Chas. Hammond

"

"

California, Alhambra. Aug 30

E.C. Rost

Arizona, Painted Desert Aug 3

W.D. Clute

Scotland, Bot. Gard. Edinburgh Mar. 11

Wm C. Smith 49416

" 49417

" 49418

" 49420

" 49419



24.384 *Olivieranthus elegans*

24.385 *Echeveria crata*

24.386 *Mammillaria multiceps*

24.387 *Rhipsalis mesembryanthoides*

24.388 *Cotyledon amonea*

24.389 *Agave maculata*

24.390 *Mammillaria pusilla*

24.391 *Epiphyllum*  
(Seed)

24.392 *Cereus trigonodendron* Schum.

24.393 *Aloe*

(Seed.)

24.394 *Cereus nickelsi* = *Aphelandra polycephala*

(Seed)

24.395 *Selenicereus grandiflorus*

24.396 *Escobaria*

24.397 *Opuntia*

24.398 *Opuntia echinocarpa*

24.399 *Opuntia lindheimeri*

Scotland

Bot Gard. Edinburgh.

Wm C Smith 49421

"

" 29422

"

" 29423

"

" 29424

"

" 29425

"

" 49414

"

" 49409

Panama, via Mr. Powell's Garden

Standley 28546

Bolivia, Cachueta Esperanza

M. Meyer.

Africa (East)

Shantz SPI 60449

Texas, Laredo

C. Rosecutt

Aug.

Jamaica

% Parks, Davis & Co. O.A. Farwell Detroit Mich.

Aug 11.

Texas, Laredo

Orcutt 1924:1040

New Mexico, Carlisle

Rodd

California

Texas



24.400 *Lamprocerus montanus* B+R.

24.401 *Lamprocerus thuyeri*

24.402 *Opuntia atacamensis*

24.403 *Opuntia*

24.404 *Pereskopsis*

24.405 *Opuntia*

24.406 *Opuntia*

24.407 *Ferocactus*

24.408 *Neomammillaria*

24.409 *Neomammillaria*

24.410 *Rothbunia*

24.411 *Rothbunia*

24.412

24.413 *Ferocactus*

Seed.

24.414 *Acanthocereus horridus* B+R.

24.415 *Chamaecrista pulegiola*

Mexico

J. G. Ortega 5242

" " 5243

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" " 5253

" " 5253

Arizona

J. B. Francis, foliat det.

Ny. Rochester

L. G. Edson Dept. Parks

Texas

R. Runyon 657

Aug 12.

Aug 10.

Aug 19.

Aug 16.



24.416

24.417 <sup>Chama</sup> Poinsettia pulcherrima L.

24.418 Cassipouia mexicana

24.419 Guilandina gillesii

24.420

24.421 Opuntia

24.422 Opuntia cuneata

24.423 Christocactus anguinus

24.424

24.425

24.426 Opuntia

24.427 Monvillea (M. cavenishii Donnell)

24.428

Cassipouia

24.429 Opuntia pottsii SD.  
(dead) see hbk.

24.430

"

Cassia

Brk 2827

665

656

Cuba

León

July

"

Germany Berlin Bot. Gard.

Range #1 House #7

New Mexico, Bland

Ernest Knobel

Aug 18

"

Texas

Orcutt 1924-1041.

New York, Rochester, Lambertson Conserv., Highland Park. Aug 23  
CR. Mc Grath.

A. Saurdson, Los Angeles

9/9/24

Carlsbad, N. M.

W. Y. Lee

"

El Paso, Tex

Chas. Hammond

"



24.416

24.417 <sup>china</sup> *Poinsettia pulcherrima* L.

24.418 *Casahuate mexicana*

24.419 *Guilandina gillesii*

24.420

24.421 *Opuntia*

24.422 *Opuntia cuneata*

24.423 *Cleistocactus anguinus*

24.424

24.425

24.426 *Opuntia*

24.427 *Monvillea* (*M. cavendishii* Donnell)

24.428

*Cassia*

24.429 *Opuntia* *pottsii* S.D.  
(dud) see hbk.

24.430

"

Texas

R. Runyon 656

" 5/6  
655-

" 665-

" 656

Cuba

sem

July.

Germany Berlin Bot. Gard.

" Range #1 House #7

New Mexico, Bland

Ernest Knoeb

Aug 18

Texas

Orcutt 1924: 1041.

New York, Rochester, Lambertson Conserv, Highland Pt. Aug 23

C.R. Mc Grath.

A. Davidson, Los Angeles

9/9/24

Carlsbad, N.M.

W. Y. Lee

"

El Paso, Tex

Chas. Hammond

"



24.431 *Echinocactus*

24.432 *Opuntia*

24.433 "

24.434 *Neomammillaria condita*

24.435 " *sp?*

24.436 *Opuntia dulcis*

24.436<sup>a</sup> *Echinocereus montereyensis*

24.437 *Echinocereus*

24.438 *Neomammillaria ruyonii*

24.439 *Echinocereus albiflorus*

24.440 *Coryphantha nickelsae*

24.441 *Echinocereus conglomeratus*

24.442 *Echinocereus saissaphorus*

24.443 *Anastrotocactus scheeri*

24.444 *Melloydia conoidea*

24.445 *Agave fourcroides* fide Britton

J. D. Hopkins, Price, Utah 9/9/24

#1

A. P. Dodd, Uvalde, Tex. (Box 509) "

#2

" " " " " "  
State of San Luis Potosi Mexico Mexico

Carlstrom NM Lee "

Mexico

Sept. 19.

Orcutt #1088

1107

1091

1094

1102

1105

1106

1104

1101

1096



24 446 *Selenicereus*

24.447 *Agave fomeroides* (Monterey H.L. Cult.)

24.448 *Echinocactus longihamatus* Var. A.

24.449 *Echinocereus sarisophorus* (var. probably)

24.450 *Neomammillaria plomerata*

24.451 *Mammillaria heydeni*

24.452 *Coryphantha elephantidens*

24.453 *Epithelantha guggii*

24.454 *Poreocera*

24.455 *Paspiflora edulis* Sims

24.456 " *renatifolia* L.

24.457 " *pauciflorus* ?

24.458 *Selenicereus grandiflorus*

24.459 *Epiphyllum angulipes*

24.460 *Epiphyllum hybridus wrayii*

24.461 *Lemaireocereus dumortieri*

Mexico

Orcutt # 1117

1112

1110

1113

1090

1119

1163

1118

*Agaves* (cult.)

Mexico *Calceolarius* Aug. 1924

1

Jamaica

Sept 1924

NY Rochester, Highland Park. (Tropical America)

Sept. 22.

W. L. G. Edson

"

"

"

"



24.462 *Echinocereus fendleri*

24.463 *Epithelantha*

24.464 *Escobaria*

24.465 *Opuntia polycarpa*

24.466 *Opuntia polycarpa*

24.467 *Opuntia polycarpa?*

24.468 *Opuntia fragilis*

24.469 *Coryphantha vivipara*

24.470 *Opuntia dillenii*

24.471 *Nopalea cochinillifera*

24.472 *Selenicereus spinulosus?*

24.473 *Myctocereus serpentinus*

24.474 *Leuophyllum* (*guttatum*) Rose  
*cartifolium*

24.475 *Sedum palmeri?*

24.476 *Echeveria simulans*

24.477 *Sedum diffusum* Wats.

New Mexico, Carlsbad  
P. C. Standley

Montana, Baker

Glenn Berner #1 121 E. Front St. Jamestown N.D. Sept.

N. Dakota, Mandan

" #2

Montana, Livingston

" #3

Mott; N. Dakota

" #4

N. Dakota, Minot

" #5

Grenada W.I.

"

Mexico.

Orcutt 1164

"

" 1160

"

" 1163

"

" 1162

"

" 1114

"

1161



24.478 *Neomammillaria glomerata*

24.479 *Sedum leucophylloides* Rose.

24.480 *Opuntia schottii*

24.481 *Selenicereus spinulosus*

24.482 *Ancistrocactus scheeri*

24.483 *Coussipartha*

24.484 *Echinocereus parryi*

24.485 *Harrisia martinii*  
(Fruit.)

24.486 *Opuntia fulgida* Engelm  
(Fruit.)

24.487 *Neomammillaria fasciculata* (Engelm) B+M.

24.488 *Acanthocereus occidentalis* B+R.

24.489 *Selenicereus vagans* (Brandegee) B+R.

24.490

24.491 *Epithelantha greggii*

24.492 *Tradescantia*

24.493 *Tradescantia*

Mexico

Orcutt 1121

Sierra Madre, Monterey

" 1165

" 1111

" 1117

" near Monterey

" 1104

" 1103.

" Paredon, Coah.

California, 212 E. 24th St. Los Angeles  
H.M. Wegener.

Mexico

J.G. Ortega # 5245

" 5254

" 5537

" 5552

" 5548

" Paredon Coah.

Orcutt 1924: 1298.

Texas, Brownsville

Robert Runyon #676

" # 677



24-494 *Echinocereus chloranthus*

24-495 *Escobaria tuberculata* ?

24-496 *Coryphantha echinus*

24-497 *Echinocereus enneacanthus*

24-498 *Coryphantha macromeris*

24-499 *Coryphantha vivipara*

24-500 *Mammillaria mazatlanensis*

24-501 *Coryphantha arizonica* 2

24-502 *Coryphantha arizonica* 2

24-503 *Anacampseros densifolia*

24-504 *Mammillaria devgeana*

24-505 *Mammillaria mundtii*

24-506 *Opuntia*

24-507 *Harrisia martinii*

24-508 *Harrisia*

24-509 *Harrisia*

Texas, El Paso

Chas. Hammond.

" 20 mi. n. of Alpine

" " # 2  
" Retiarian Ft Stockton + Alpine

" " # 3  
" 23 mi. s.w. of Lucia Blanca

" " # 4  
" 23 mi. s.w. of Lucia Blanca

" " # 5

North Dakota, 121 E. Front St. Jamestown  
Glenner Berner

Germany, Köln  
Bödeker.

Arizona, Greenland Point, Grand Canyon, Nat. Park. Aug 23  
El Goldman

" " Day Park, Kaibab Nat Forest. Aug 20

Germany, Berlin  
W. Mundt.

" (Mexico)

" (Mexico)

Mexico, n. l.

Orcutt 3769.

California Los Angeles, (Cult.)  
H.M. Wegener

" "

"



- 24.510 *Hylocereus*
- 24.511 *Aphelocereus*
- 24.512 *Pamplora* <sup>seed</sup> ~~nap~~
- 24.513 "
- 24.514 *Graptopetalum bartramii* 4
- 24.515 *Echinocactus parryi* 3
- 24.516 *Echeveria* *ichen*? [Oreja de burro (mex)]
- 24.517 *Escobaria* *aff bella*
- 24.518 *Coryphantha* *difficilis*
- 24.519 *Echinocereus*
- 24.520 *Echinocereus*
- 24.521 *Echinofossulocactus*
- 24.522 *Selenicereus spinitarsus*
- 24.523 *Phyllocactus*
- 24.524 *Mammillaria sempervivi*
- 24.525 *Echinofossulocactus tricuspidatus*

Barbados B.W.I. Bridgetown Box 114  
I H Robinson

"  
Panama: Between Franca Field &  
Catinal Standley 30158 1/9/24  
Costa Rica:

Standley 34146 2/12/24

Arizona Shaded ledges in Tulus canyon, Patagonia Mts Santa Cruz Mts.  
Edwin B. Bartram Nov 24

Texas, El Paso.

Charles Hammond Nov. 29

Mexico

Orcutt 1924: 1484

"

" 1924: 1374

"

" 1924: 1103

" , Paredon, Coch.

" 1924: 1480

"

" with 1914: 1480

"

" 1924: 546

"

(Cucumada? ch + ch + ch)

Dec 6

Y.H. Lloyd

"

Orcutt 1924: 1563.

"

" 1924: 1543

"

" 1924: 1524



24.526 *Normanmilleria* *gumifera*

24.527 *Echinocereus*

24.528 *Normanmilleria* *hirsuta*

24.529 " *depressus*

24.530 " *zuccarumiana*

24.531 *Urbina*

24.532 *Echinoforsythia*  
perhaps *rep.*

24.533 *Selenicereus*

24.534 *Aphelocoma*

24.535 *Stapelia* *grandiflora*

24.536 *Hemerocallis*

Mexico, Chiapas, Colonia Dublan.  
Orcutt.

"

"

"

" 1924: 1576

"

" 1924: 1577

"

" 1924: 1578

"

San Luis Petri

" 1924: 1877

"

" 1924: 1945

" Said to have larger red ("Colorado") flowers.

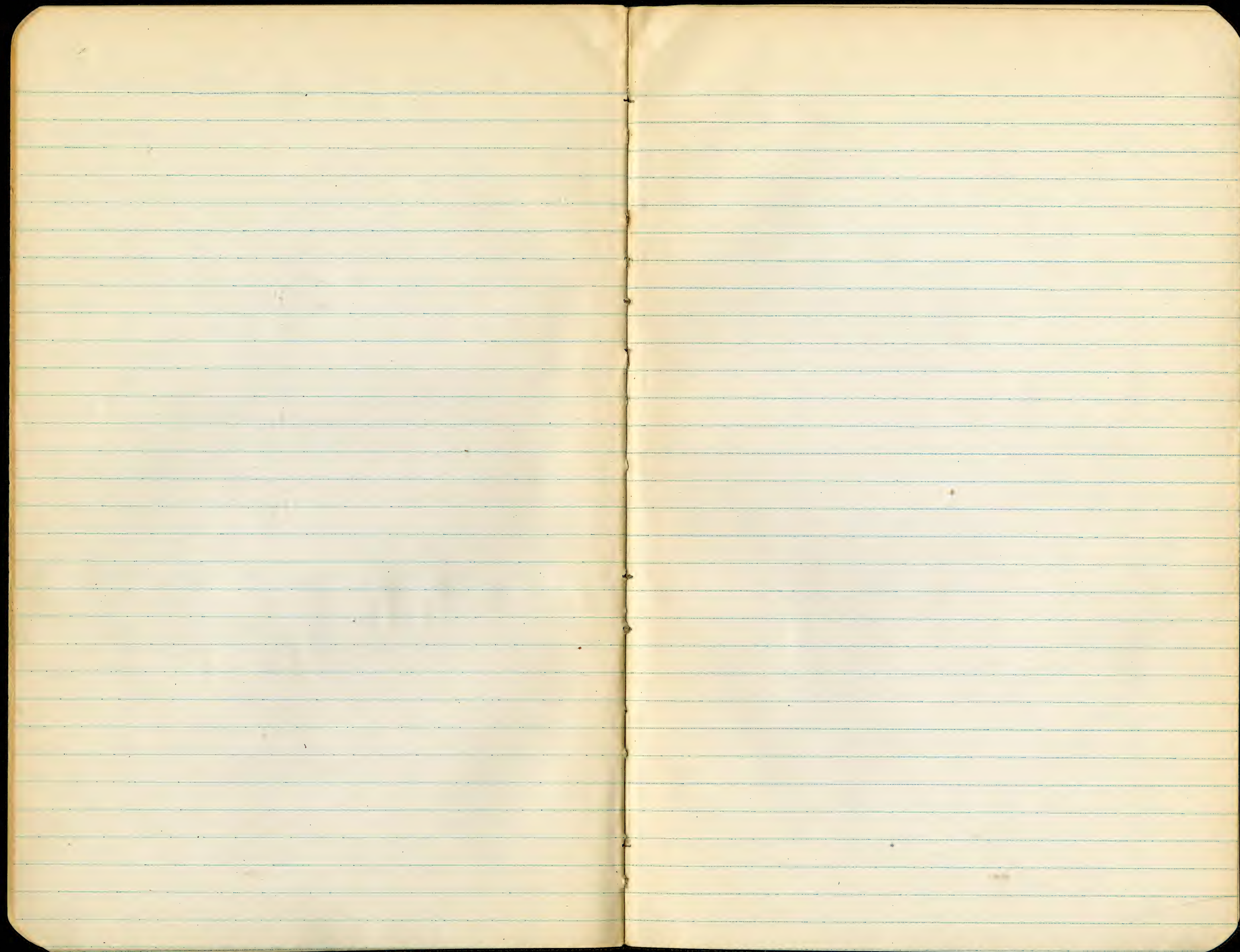
"

Brazil, 44 mi. SE of Carolina Marantia  
EW Shaw

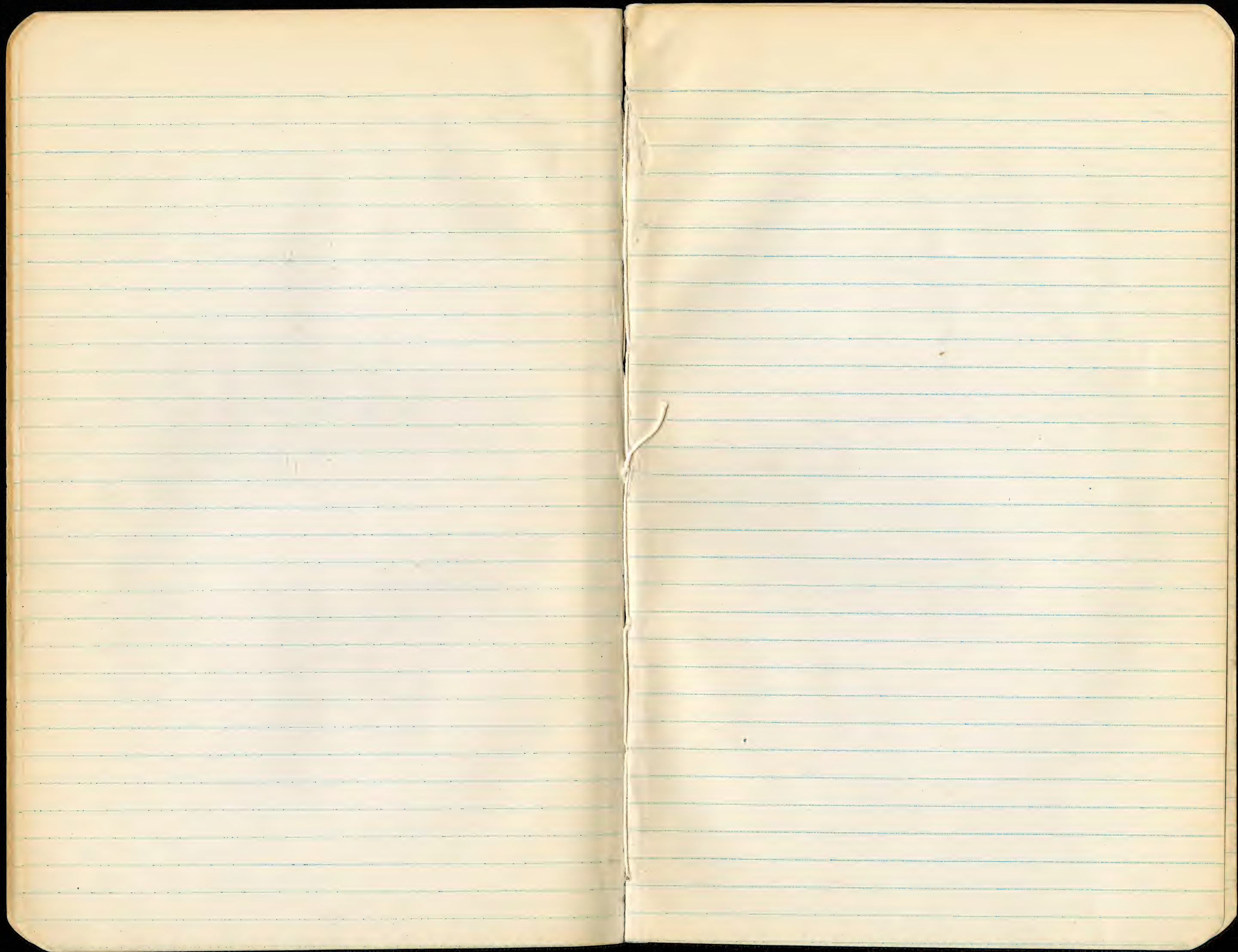
of Africa Old Great House Plant

" Old Great House Plant.





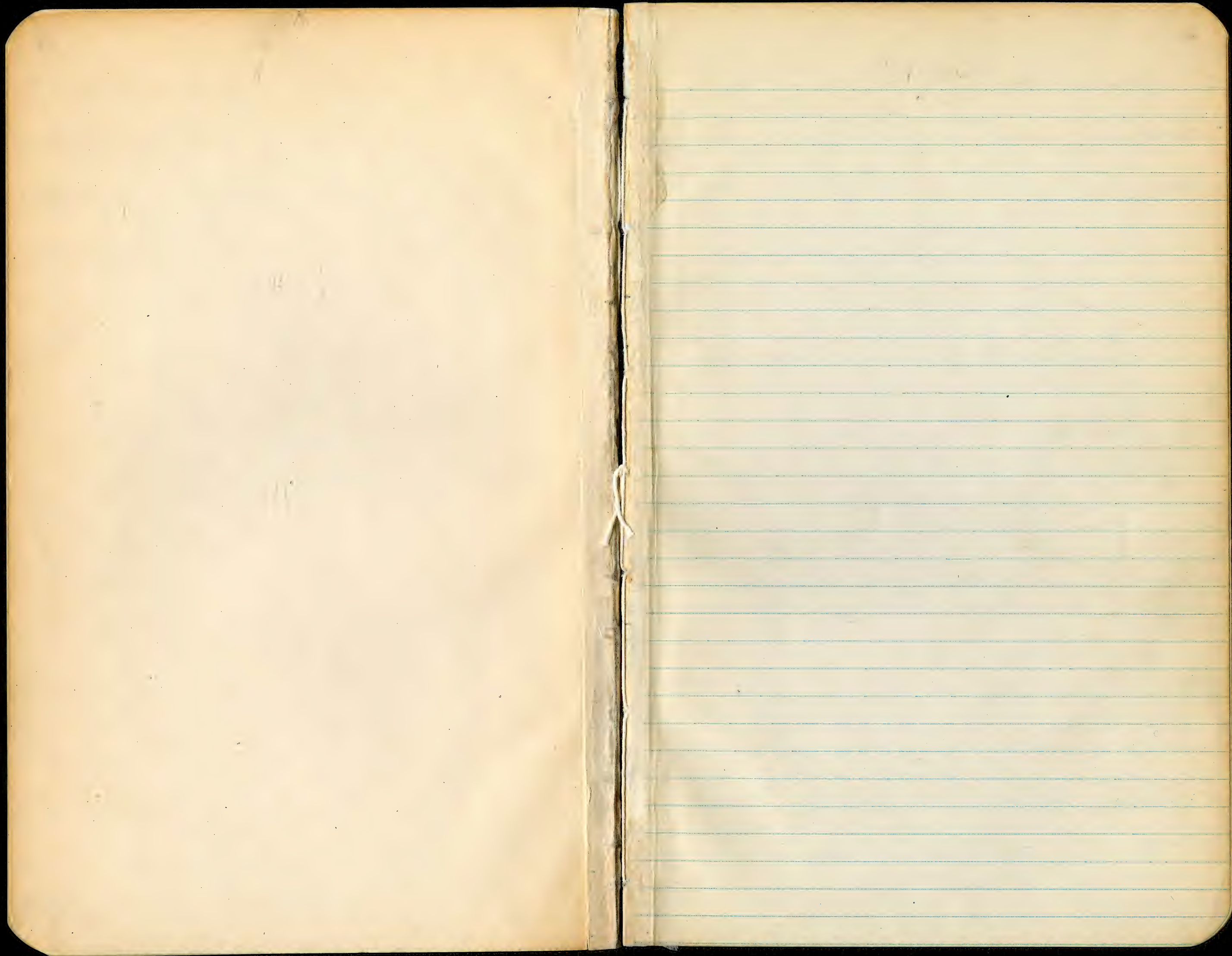






1925 - 1929







25.1 Echinocereus

25.2 Opuntia

25.3 Opuntia

25.4 Opuntia

25.5 Malacocarpus

25.6 Neomammillaria nicotiana

25.7 Echeveria <sup>palmeri</sup> ~~walpoliciana~~ Roe

25.8 Sedum retusum Handel.

25.9 Sedum greggii Hend.

25.10

(A red lily)

25.11

(wild flower bulbs)

25.12 Colocasia esculenta

"Lives well for food, root used as a vegetable. Large white leaf

25.13 Graptopetalum rusbyi

25.14 Cassia biflora

(seed)

25.15 Dillolobus uniflorus

(seed)

25.16 Neomammillaria olivacea

Texas, El Paso

Ch. Hammond.

Argentina Buenos Aires

California, Mouth of Deep Creek, Santa Rosa Mts, Colorado Desert,  
S.B. Parish. Jan 16

Mexico, near San Luis Potosi  
Orcutt 1730

"

" 1740

"

9000 ft. alt.

" 1799

China, 50 mi. S. of Songpan alt. 7500  
David C. Graham

"

"

" Suifu, Szechuen alt 1000

"

Arizona, Tucson, Sabino Canyon  
Edwin B. Kesteven Jan 26

Mexico, Sea cliffs Mazatlan

"

Nov 27, 1927

"

Sinaloa, Nacango

Nov 27, 1927

Arizona, Sabino Canyon, Santa Catalina Mts.

"



- 25.17 *Nomamillaria microcarpa*  
 25.18 *Echinocereus viridiflorus*  
 25.19 *Coryphantha nemoralis*  
 25.20 *Escotaria dasycantha*  
 25.21 *Echinocereus*  
 25.22 *Opuntia atrispina* Griffith?  
 25.23 *Opuntia aciculata* Griffith?  
 25.24 *Opuntia cacanapa* Griffith  
 25.25 *Echinocereus triglochidiatus* Engelm.  
 25.26 *Echinocereus conoides* Rimp.  
 25.27 *Opuntia rufida* Engelm.  
 25.28 *Opuntia engelmannii* form.  
 25.29 *Opuntia macrocentra* Engelm.  
 25.30 *Opuntia macrocentra* Engelm.  
 25.31 *Opuntia aciculata* Griffith  
 25.32 *Thelocactus bicolor* (Gib.) Britt + Rose

- Arizona, Sabino Canyon, Santa Catalina Mts.  
 Edurn B. Bartram.  
 New Mexico, near Soledad Canyon, Organ Mts. <sup>alt.</sup> 6200-7000  
 R.H. Townsend. #1 Jan. 29,  
 " #2  
 " #3  
 " #4  
 Texas, Uvalde Canyon  
 E. Mortensen #1  
 " #2  
 " #3  
 " #6  
 " #7  
 " Terlingua, Brewster Co.  
 " #10  
 " #11  
 " Brewster Co.  
 " #12  
 " Terlingua Co.  
 " #13  
 " Brewster Co.  
 " #16  
 " Lajitas, Brewster Co.  
 " #22



25.33 *Echinocereus enneacanthus* Engelm.

25.34 *Opuntia grahamii*

25.36 *Coryphantha neomexicana* (Engelm.) Britt + R.

25.37 *Echinocereus dasyacanthus*

25.38 *Opuntia grahamii*

25.39 *Neomammillaria beyleri* (Muhl.) Britt + R.

25.40 *Neomammillaria multiceps* (S.D.) Britt + R.  
- *Mammillaria texensis*

25.41 *Neomammillaria schiedeana*

25.42 *Cactus eschmayeri* (type loc.)

25.43 *Cactus bispinis*

25.44 *Escontria bella*

25.45 *Escontria bella*

25.46 *Mammillaria texensis* = *Neomammillaria multiceps*

25.47 *Coryphantha macromeris*

25.48 *Coryphantha*

25.49 *Coryphantha*

Texas, Brewster Co.

E. Mortensen # 23

" Presidio Co

" # 24

" Terlingua Co.

" # 31

" "

" # 32

" Brewster Co

" # 33

" Uvalde Co.

" # 39

" Mueces Canyon, Uvalde Co.

" # 40

Mexico

Orcutt 1925: 21

"

" 1925: 22

"

" 1925: 49

Texas, Devils River

M. H. Ferriss 570 K.

"

" 570 L.

"

" 570 M.

Texas

" 578

"

" 578 E.

"

" 578 C X



25.50 *Neomammillaria denudata*

25.51 *Echinomastus intertextus* B. & P.

25.52 *Escobaria dasycantha* B. & P.

25.53 *Nolloydia texensis* B. & P.

25.54 *Coryphantha*

25.55 *Neomammillaria denudata* B. & P.

25.56 *Echinocereus octacanthus*?

25.57 *Echinocereus viridiflorus*

25.58 *Echinocereus viridiflorus*

25.59 *Opuntia*

25.60 *Opuntia*

25.61 *Opuntia*

25.62 *Echinocereus dasycanthus*

25.63 *Echinocereus dasycanthus*

25.64 *Opuntia*

25.65 *Opuntia lindheimeri* (form)

Texas

J. H. Ferris # 5189.

5199.

519 F.

519 H

near Marathon

520 B.

520 G.

520 D

520 E.

Uvalde canyon

grows on rocky hills 3-4 ft. h.

E. Mortensen # 4

Brewster Co.

Crest 3-4 ft., sandy soil

# 17

Langtry

grows on gravelly hills

# 18

Terlingua

gravelly hillside

# 19

Rocky, dry soil

# 20

Uvalde

on gravelly ridges, common

# 41

Uvalde canyon

grows on rich loam

# 42



25.66 *Opuntia atrispina* Griffith

25.67 *Neomammillaria pottsii*

25.68 *Ferocactus hamatacanthus*

25.69 *Echinomastus fernalii*

25.70 *Thelocactus bicolor*

25.71 *Neomammillaria denudata*

25.72 *Echinocereus*

25.73 *Echinocereus*

25.74 *Echinocereus dasyacanthus*

25.75 *Echinocereus dasyacanthus*

25.76 *Echinocereus lloydii*

25.77 *Echinomastus nitidus* B & R

25.78 *Peperomia monticola*  
(bulb)

25.79 *Opuntia*

25.80 *Echinomastus fernalii*

25.81 *Coryphantha macromeris* ?

Texas: Uvalde canyons Rocky hill-sides Mar. 2.

E. Montanum # 43

" Terlingua Petals rose-colored with white striping  
the stamens and pistils are yellow.

" # 31

" " near mouth of Rio Grande Canyon Mar. 9.

J. H. Fernalis

"

"

"

"

"

"

"

"

"

"

"

"

# 522 C.

"

"

# 522 B.

"

"

# 522

"

"

# 523 D

Mexico, Alvarez San Luis Potosi

Is engraving the plants Dec. 1, 1924

" Monterey N. L.

Mar. 13.

Orcutt, 1924. 1566

Texas Blue Creek Canyon

J. H. Fernalis 526a

Mar. 25.

"

"

526 B



25.82 *Coryphantha micromera*?

25.83 *Ferocactus uncinatus*

25.84 *Echinocereus dasyacanthus*

25.85 *Echinocereus*

25.86 *Opuntia polyacantha*

25.87 *Opuntia tortispina*

25.88 *Oncidium*

25.89 *Byrnesia weinbergii* Rou.

25.90 *Coryphantha*

25.91 *Epiphyllum*

25.92 *Lemaireocereus*

25.93 *Echinocereus knippelianus*

25.94 *Pereskopsis*  
(Tuna de playa)

25.95 *Nopalco*

25.96 *Opuntia*

25.97 *Echinocereus*

Texas Blue Creek Canyon.

" J.H. Ferris # 526 C.

" # 527

" # 526

Texas

J.H. Ferris.

Wyoming

Yucca sometimes 3 1/4 in long.

Richard Kuschel

Mar. 17.

Texas Saba Co.

Yucca sometimes 3 1/4 in long, flowers about 2 in  
diameter, pale yellow.

Panama

Collector unknown. Aug. 14.

Mexico

Arcutt 1925: 418

"

" 1925: 351

"

" 1925: 473

"

" 1925: 339

"

" 1925: 396

"

" 1925: 417

"

" 1925: 336

"

" 1925: 404

"

" 1925: 349



25.98 *Opuntia grahamii*

25.99 *Echinocereus*

25.100 *Echinocereus*

25.101 *Echinocereus*

25.102 *Cassia*

(Seed)  
25.103 *Myrtillocactus cochal*

25.104 *Neomammillaria milleri* A.R.

25.105 *Phellosperma tetranactea*

25.106 *Phellosperma tetranactea*

25.107 *Phellosperma tetranactea*  
(Seed)

25.108 *Echinomastus intertextus*

25.109 *Opuntia*

25.110 *Echinocereus*

25.111 *Echinocereus*

25.112 *Sedum leophylloides* Rose

25.113 *Echeveria*

Texas. Terlingua

" Y.H. Ferris. 529a.

"

"

"

Big Bend.

"

528

"

"

529

Mexico, Jalisco

Lower California

C.A. Purpus in 1925.

E.C. Root # 679.

"

"

# 823.

"

"

# 865

"

"

# 864

"

"

# 864

Texas, Davis Mts.

Y.H. Ferris

Apr. 1,

"

"

"

"

"

"

Mexico, Victoria Tampo. Mts to S. of,

Robert Runyan #28

Apr. 8,

col. Monst. -25

"

"

# 29



- 25-114 *Corypantha palmeri*  
 25-115 *Corypantha radians* = *Heslovia* of *arcutii*  
 25-116 *Ariocarpus trigonus*  
 25-117 *Oblegonia denegrii* Fric.  
 25-118 *Agave*  
 25-119 *Valeriana*  
 25-120 *Mesembrianthemum linguiforme*  
 25-121 *Echinocereus dasyacantha*  
 25-122 *Echinocereus viridiflorus*  
 25-123 *Opuntia*  
 25-124 *Echinomastus intertextus*  
 25-125 *Echinocereus viridiflorus*  
 25-126 *Corypantha nemexicana*  
 25-127 *Ferocactus uncinatus*  
 25-128 *Echinocereus richenbachii*  
 25-129 *Zephyranthes*

- Mexico, Yammame; Sandy Lomas Mar 24  
 Robert Runyon # 30  
 " " # 31  
 " " # 32  
 " Sandy hills # 33  
 " " # 34  
 " Rocky cliffs # 35  
 " "  
 Green Home  
 no data.  
 Texas, near Alpine. Apr 12.  
 J. H. Ferris # 532 C  
 " " 532 B  
 " " 532 A  
 " "  
 " Sierra Blanca  
 " " 534 D  
 " " 534 E  
 " "  
 " "  
 Mexico, Monterey Apr 12  
 Arcutt 1925: 576  
 " " 1925: 570



25.130 (Umbell.)

25.131 *Pedilanthus*

25.132 *Corypantha*

25.133 *Opuntia*

25.134 *Echinocereus*

25.135 ~~*Echinocereus debortii*~~ *Cephalocereus senilis*.

25.136 *Neomammillaria amoena*

25.137 *Corypantha clara* Lam.

25.138 *Echinofossulocactus coptonogonus* Lawrence

25.139 *Echinofossulocactus coptonogonus* Lawrence  
(Eud.)

25.140 *Corypantha sulcolanata* Lam.

25.141 *Neomammillaria*

25.142 *Corypantha cornifera*

25.143 *Neomammillaria mucicata*

25.144 *Neomammillaria*

25.145 *Neomammillaria moelleriana*  
Same as 24.79

Mexico, Monterrey N.L.

Apr. 12

Orcutt. 1925: 571

" Yanguare Tampo

" 1925: 582

" Yanguare valley

" 1925: 556

"

" 1925: 584

"

" 1925: 581

"

Hidalgo

Alturo F. Moeller

Apr. 6

"

" 2

"

" 2 (E)

"

" 3

"

" -

"

" 4

" Bayeno mts 10 mi S.E. of San Pedro.

" 5

"

Hidalgo

" 6

"

" 7

"

" 8

" Durango

" -



25-146 *Coryphantha* (red seed)

25-147 *Echinocactus* (gray seed)

25-148 *Coryphantha nemorensis*

25-149 *Echinocereus paucispinus*

25-150 *Coryphantha macromeris*

25-151 *Echinocereus dasyacanthus*

25-152 *Echinocereus*

25-153 *Epiphyllum stenopetalum*

25-154 *Acanthocereus floridanus*

25-155 *Bauhinia coulteri*

25-156 *Echinocereus dasyacanthus* (seed)

25-157 *Echinocereus*

25-158 *Chamaecrista scandens* (seed)

25-159 *Echinomastus ferrisii*

25-160 *Echinocactus horizontalis*

25-161 *Opuntia*

Mexico, Hidalgo

Alturo F. Mueller

"

"

Texas near Sierra Blanca

J. H. Ferriss 5-33a

"

"

5-38 T

"

"

"

"

Florida, Winter Park

H. Sievert

" Common along road between Palm Beach & Miami

Mexico, S.L. Potosi

Orcutt 1924: 1731.

Texas, near El Paso

J. H. Ferriss

Texas, Ft. Davis in the Davis Mts.

H. L. Potter

Ecuador, Guayaquil

Prof. Stevens in 1924

Texas, Uvalde

A. P. Dodd #21

" #25

" #48



- 25-162 *Opuntia pleural*
- 25-163 *Echinocereus octacanthus*
- 25-164 *Ariocarpus retusus*  
(Seed) plant: 25-178
- 25-165 *Opuntia*
- 25-166 *Opuntia*
- 25-167 *Cephalocereus polygonus*
- 25-168 *Opuntia taylori* Britt + Rose
- 25-169 *Hyllocereus napoleonis* (Grab.) S. & R.
- 25-170 *Selenicereus boeckmannii* (Otto) Britt + R.
- 25-171 *Neomammillaria prolifera* (Mill.) Britt + R.
- 25-172 *Echinomastus*
- 25-173 *Mammillaria*
- 25-174 *Echinocereus*
- 25-175 *Echinocereus longisetus*
- 25-176 *Efossulocactus lloydii*
- 25-177 *Coryphantha*

Texas, Uvalde

A. P. Dodd. # 49

# 50

Mexico, San Luis Potosi

Orcutt

Haiti, Gonave

G. S. Miller

"

"

" San Michel <sup>Limestone ridge at north edge of central plain alt. about 1500 ft</sup> March 15

"

"

"

"

"

"

Orcutt

"

L. Archais

March 10

"

Mexico

Orcutt 1925: 307

"

" : 307 1/2

"

" : 308

"

" : 309

"

" : 310

"

" : 311



- 25.178 *Eriocarpus retusus*  
Seed = 25.164
- 25.179 *Echinocactus horizontalis*
- 25.180 *Normanmilaria chionocephala*
- 25.181 *Normanmilaria chionocephala*  
Seed of the above
- 25.182 *Opuntia*
- 25.183 *Neolloydia conoidea*
- 25.184 *Echinocereus*
- 25.185 *Echinocereus*
- 25.186 *Opuntia microdasys* ?
- 25.187 *Opuntia*
- 25.188 *Astrophytum asterias*
- 25.189 *Foucaea*
- 25.190 *Echeveria*
- 25.191 *Sedum ternatum*
- 25.192 *Harissa*
- 25.193 *Cuscuta hexagona* (cult.)  
L. Mill.  
(cult.)

Mexico

Orcutt 1925: 315

"

"

: 318

"

"

: 320 in part.

"

"

: 320 in part

"

"

: 324

"

"

: 326

Mexico, Coah., Camero

"

: 309

"

with underground stems

"

: 320

"

"

: 320

"

"

: 330

"

"

—

"

"

—

"

"

: 322

Virginia Clarendon

Ralph Baldwin

Holland, The Hague

a. Van Dijk. #1

"

"

#2



25-194 Echinopsis

(cult.)

25-195 Echinopsis

(cult.)

25-196 Echinopsis

(cult.)

25-197 Opuntia

(cult.)

25-198 Opuntia

(cult.)

25-199 Opuntia

(cult.)

25-200 Nopalea

(cult.)

25-201 Harrisia

(cult.)

25-202

(cult.)

25-203

(cult.)

25-204 Manihot foetida

(seed)

25-205 Hippocratea acapulcensis

(seed)

25-206 Quagnum ulmifolia

(seed)

25-207 Echinocereus pentaloophus

25-208 Echinocereus knippelianus

25-209 Apheloceros palmari

Holland, The Hague

A. van Dijk. # 7

"

"

# 8

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# 13

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# 14

"

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# 15

"

"

# 16

Mexico

% Herrera

"

"

"

"

"

Orcutt 1925: 349

"

: 396

"

: 441



- 25.210 *Neolloydia*
- 25.211 *Echinocereus reichenbachianus*
- 25.212 *Selenicereus spinulosus*
- 25.213 *Echinocereus*
- 25.214 *Coryphantha*
- 25.215 *Arriocarpus*
- 25.216 *Arriocarpus*  
(Seed)
- 25.217 *Oregonia*
- 25.218 *Phellocperma tetraancistra*
- 25.219 *Neomammillaria quinquifera*
- 25.220 *Echinomastus intertextus*
- 25.221 *Coryphantha*
- 25.222 *Hippeastrum*
- 25.223 *Neomammillaria plumosa* Brit + Rose
- 25.224 *Neomammillaria longicoma* Brit + Rose
- 25.225 *Echinofossulocactus*

Mexico

Orcutt 1925: 554

: 576

: 578

: 581

Arizona, Rincon. Huasteca Mts.  
Mrs. Chas. Rhy.

Mexico, Chihuahua

Hammond 1925: 2002

1925: 2005

Mexico,

Orcutt 1925: 361

Peru, Andes

F. L. Herrera

Mexico

A. F. Moeller, # 9

S. Luis Potosi

# 10

# 11



25. 226 *Echinofossulocactus octagonus*
25. 227 *Neomammillaria decipiens*
25. 228 *Thelocactus nidulans*.
25. 229 *Epithelantha micromeris* (Eng.) Weber
25. 230 *Echinocereus*
25. 231 *Selaginella lipidota*
25. 232 *Aricearpus trigonus*  
(seeds)
25. 233 *Sedum lineare* Thunb.
25. 234 *Coryphantha palmeri* B. & R.
25. 235 *Coryphantha*
25. 236 *Neomammillaria candida*  
(Plant)
25. 237 *Neomammillaria candida*  
(seed)
25. 238 *Echinofossulocactus*
25. 239 *Echinofossulocactus coptonogonus*
25. 240 *Leuchtenbergia principis*
25. 241 *Amargyllia*  
(buds) (wild)

Mexico. S. Luis Potosi.  
A.F. Moeller. #12.

" " #13.

" " #14.

" N. Leon #15

" Durango #16

Mexico

Washington D.C. Bot. Gard. Nat. of Japan May 22  
H. N. Rose

Mexico, San Luis Potosi  
A.F. Moeller. #17

" " #18

" " #19

" " #19

" " #20+21

" " -

" " -

Ceara, Brazil  
Agnes Chase

May 28



25.242 *Amaryllis*  
(wild bulbs)

25.243 *Cereus hexagonus*

25.244 *Acanthocereus floridanus*

25.245 *Conyopancha aggregata*

25.246 *Opuntia versicolor*

25.247 *Echinocereus viridiflorus*

25.248 *Dudleya abramsii* Rose.

25.249 *Opuntia*

25.250 *Pasiphora caerulea* L.

25.251 " *herbertiana* Lindl.

25.252 " *edulis* Sims

25.253 " *rubra* L.

25.254 "

25.255 " *variegata*?

25.256 " *regularis*

May 28  
Brazil, Serra de Gramma, Minas Gerais.  
Agnes Chase

Florida, Winter Park.

H. Siewert

May 29.

"  
Arizona, Oak Flat between the head of <sup>Devil's Canyon</sup> ~~Agnes Chase~~ + May 25  
A. R. Leding.

"  
Colorado, between Cherokee Park & Virginia Dale, northern Larimer Co.  
Edwin B. Payson May 31.

California, Tehachapi mts  
A. Davidson May

West Virginia, Harpers Ferry  
E. Wherry June 10.

La Mortole, Italy (1459)

" " (1461)

Azores [B.P.I.] 1924

Venezuela Pittier 11387 1925

[SP 51392]

Colombia, Bogota - Killip 9721

" Popayan Pennell & Bailey 6401



- 25.257 *Passiflora typhlosternata* Griseb.  
 25.258 " *emarginata* HBK.  
 25.259 " *chilodonea* Mast.  
 25.260 " *mollis* HBK.  
 25.261 " *mauvea* (Juss.) Pers.  
 25.262 ?  
 25.263 *Passiflora*  
 25.264 " *mexicana* (atypical)  
 25.265 *Amaryllis belladonna*  
 25.266 *Mammillaria zuccariniana*  
 25.267 *Echinocereus*  
 25.268 *Echinofossulocactus tricuspidatus*  
 25.269 *Echinofossulocactus*  
 25.270 *Coryphantha cornifera*  
 25.271 *Pachycereus marginatus*  
 25.272 *Mammillaria discipiens*

- Colombia: La Cumbre Kralip 5561  
 " Dinto Garcia (P. K 6982)  
 " La Cumbre P. K. 5752  
 " " " 5687  
 " San Andres " 6421  
 " Popayan "  
 Palmyra. Palmyra Kelly 6199a  
 Mexico: Monserate Purpus  
 Africa, Cape Town May 14.  
 B. Marloth  
 Mexico  
 Orcutt 1925: 19  
 "  
 "  
 " 1924: 1546  
 "  
 " 1925: 88  
 "  
 "  
 " 1924: 1540  
 "



25.273 *Pelecypoda aseliformis*

Mexico

25.274 *Dardleya*

"

25.275 *Neomammillaria multiceps*

" n

25.276 *Coryphantha pectinata*

Texas. Pec

25.277 *Hamatocactus subspinosus* Engelm. & R. & H.

" Ho

25.278

25.279

25.280

25.281

25.282

25.283

25.284

25.285

25.286

25.287

25.288

25.278-25-286

Epiphyllum

25.287 - 301

Orcutt

25.301 *Neomammillaria*

25.302 *Epiphyllum*

A.V. Fair - Mexico

Apr 12.



25.273 *Pelecyphus aseliformis*

25.274 *Dudleya*

25.275 *Neomammillaria multiceps*

25.276 *Coryphantha pectinata*

25.277 *Hamatocactus setispinus* Engelm. & R.

25.278

25.279

25.280

25.281

25.282

25.283

25.284

25.285

25.286

25.287

25.288

Mexico

Orcutt 1925: 71

"

"

-

" near Yauzare

↓ Orcutt & Runyon.

Texas, Pecos, near Rio Grande

J. H. Ferriss 516.

Apr 12.

" Home Top Mountain, Southern Texas

"

518.



25,289

25,290

25,291

25,292

25,293

25,294

25,295

25,296

25,297

25,298

25,299

25,300

25,301

25,302

25,303 *Coryphantha mexicana*

25,304 *Echinocereus*

El Paso Texas

Charles Hammond,

\* " (Jul)



25,305 *Echinocereus chloranthus*

25,306 *Nealloydia concolor*

25,307 *Mamfeda*

25,308 *Neobesseya armita*

25,309 seeds - 1/16

25,310

25,311 seeds of 24910

25,312 *Echinocereus*

25,313 *Opuntia racovitzae*

25,314 *Dium*

25,315 *Opuntia fischeri*

25,316 *Pedella pumila*

25,317 *Daphne mezereum* 2  
**Dead**

25,318 *Clusia minimata* Regel.

25,319 *Neomammillaria*

25,320 *Neomammillaria*

El Paso Texas 1925

C. Hammond, No 2

Wm

C. R. Orcutt # 1032

Kingville Texas 1921

Robert Runyon

Humboldt, Texas (C. R. Orcutt)

S. H. Haines

near Bishop, Texas 1925

Texas, Culm

S. R. Haines

Chiapas Mexico

Dr. C. A. Purpus

F. C. Lloyd July 1921

Namamno B.C.

Dr. A. Davidson

Tehachafe Mts Los Angeles Cal 1921

Gen. Wilcox

My State

South Africa U.S. Dept. Agri.

25,318

Mexico

Orcutt 1133

1925, 958



25-321 Echinocereus chloranthus

25-322 Echinocereus viridiflorus

25-323 Echinocereus standleyi

25-324 Escobaria tuberculosa

25-325 Diaea tullegii Rose n. sp.

25-326 Sedum anglicum Huds.

25-327 Sedum multiceps

25-328 Sedum amplexicaule DC.

25-329 Sedum dasyphyllum oblongifolium Bol.

25-330 Sedum dasyphyllum glanduliferum Morris

25-331 Sedum alsinifolium All.

25-332 Sedum stoloniferum Gmel.

25-333 Sedum adolphii

25-334 Sedum ellasiombianum Raeyn.

25-335 Sedum verticillatum Jordan

25-336 Umbilicus oppositifolius

Texas

Chas. Hammond

July 31

Mexico

Mexican embassy

France

Rec. Aug. 19, 1925



25.337 *Sedum albisecum* Poir.

25.338 *Sedum dasystyllum glandulosum* Maire

25.339 *Sedum chabaudi*

25.340 *Sedum winkeri* Wollny & Rod.

25.341 *Sedum brevifolium* DC.

25.342 *Sedum turkestanicum* Regel.

25.343 *Sedum luteolum* Chab.

25.344 *Umbilicus pendulum* DC.  
(*tuberculatus*)

25.345 *Sedum gypsicolum* Boiss.

25.346 *Sedum amecamecardum* Raeyen.

25.347 *Sedum primulaoides* Planchet.

25.348 *Sedum atriangulum* Kelso.

25.349 *Sedum indicum*

25.350 *Sedum picaudum*

25.351 *Sempervivum atlanticum* Bol.

25.352

France.

Mexico. Mich.  
Arenas.



25-352 *Mammillaria collina*

25-353 *Echeveria*

25-354 *Mammillaria dealbata*

25-355 *Mammillaria*

25-356 *Echinopsulocactus*

25-357 *Agave*

25-358 *Mammillaria*

25-359 *Echeveria mucronata* Schott

25-360 *Echeveria glauca*

25-361 *Sedum spathulifolium*

25-362

Orija de Buena

25-363 *Opuntia*

25-364 *Opuntia*

25-365 *Fierocactus chrysacanthus* (Pursh) R. & R.

25-366 *Echinocereus maritimus* (Jones) Sch.

25-367 *Opuntia cholla* Weber

Mexico

Orcutt 1925-1984

1487

1531

1535

1536

1620

1672

1733

1852

1853

1855

Lower California, Guadalupe Is.

H. L. Mason 1547

" Clarion Is.

1593

" Cedros Island

2005

"

" 2007

" 2043

Apr. 20

Apr. 29

June 3

June 6



25-368 Mammillaria

25-369 Mammillaria

25-370 Cochlosia pondii (Griseb) Walp

25-371 Mammillaria goodridgei (Schub) B. & R.

25-372 Stenomeria incarnatum

25-373 Amarilis

25-374 Zamia

25-375 Cephalocereus  
(see d)

25-376 Neomammillaria

25-377 Carex

25-378 Diogen  
(Diogen del Pino)

25-378 a Diogen

25-379 Melocactus Cactus

25-380 Sedum griffithii Rose.  
at 5500 ft.

25-381 Neomammillaria schwarzii (11)

25-382 Anhalonium (1)

Maria Madre Islands

H. L. Mason 1752

"

" 1783

Cedros Is.

" 2008

San Quintin Bay

" 2065

Peru, Arequipa

F. L. Herrera

Aug 12

"

"

Mexico, Zamapam, Vera Cruz.  
C. A. Purpus

Sept 1

" Rio de los Carabos

"

" Monserato, on rocks

"

" Jalisco

Feb 24

"

" Monserato 600 miles

"

"

"

"

"

July

Arizona, Merendith Canyon, Santa Rita Mts. Sept 2  
E. B. Bartram

Mexico, Durango, Gomez Palacio  
Theo Schwarz #1

"

"

#2



- 25.383 *Areocarpus chauti robustus* (2)
- 25.384 *Areocarpus frimetus* (1)
- 25.385 *Mammillaria tapon* (3)
- 25.386 (5)
- 25.387 *Areocarpus cochubii* (6)
- 25.388 *Echinocactus* (11)
- 25.389 *Echinocactus* (15)
- 25.390 *Mammillaria* (1)
- 25.391 *Mammillaria* (1)
- 25.392 *Mammillaria* (1)
- 25.393 *Mammillaria* (1)
- 25.394 *Mammillaria* (1)
- 25.395 *Coryphantha* (1)
- 25.396 *Mammillaria* (1)
- 25.397 *Coryphantha* snow ball (1)
- 25.398

Mexico, Durango, Gomez Palacio...

Theo. Schwarz #3

" #4

" #5

" #6

" #7

" #8

" #9

" #10

" #11

" #12

" #13

" #14

" #15

" #16

" #17

Mexico, Tepic, Mesquites, San Ignacio, alt 150 m.

J. G. Ortega 1933.



25. 399 Neomammillaria milleri

25. 400 Neomammillaria

25. 401 Opuntia

25. 402 Conyophanthe

25. 403 Mammillaria pseudo-perbella

25. 404 Echeveria

25. 405 Gymnocalycium

25. 406 Ferocactus alamosanus

25. 407 Ferocactus covillei

25. 408 Ferocactus townsendianus

25. 408<sup>a</sup> Ferocactus townsendianus  
(seed)

25. 409 Ferocactus falcatus Orcutt.

25. 410 Ferocactus

25. 411 Ferocactus

25. 412 Conyophanthe

25. 413 Neomammillaria sheldoni R+R.

Arizona, Phoenix.

R.G. Haskett.

Tortugas, Florida.

Paul Bartsch

Mexico

Orcutt 1925: 1879

Germany

Bödeker Köln & Rhein.

Peru, Dist. of Allantairabo Prov. Mimbamba <sup>act</sup> 2900m  
F.L. Herrera # 210

Colorado

Cockrell

Mexico, Sonora

J. G. Ortega 5794

Aug.

" 5796

" Lower California

" 5797

" seed of 5797

" 5800

" Sinaloa

" 5801

" 5802

" Sonora

" 5745

" 5734



25.414 Neomammillaria

25.415 Neomammillaria frailei DOR.

25.416 Neomammillaria

25.417 Neomammillaria

25.418 Neomammillaria

25.419 Neomammillaria

25.420 Neomammillaria

25.421 Neomammillaria

25.422 Neomammillaria

25.423 Neomammillaria

25.424 Neomammillaria

25.425 Neomammillaria

25.426 Neomammillaria

25.427 Neomammillaria

25.428 Neomammillaria

25.429 Neomammillaria

Mexico, Sonora

J. G. Ortega 5235

Mexico, Lower California

" 5236

" I.M.

" 5237

" Sonora

" 5238

"

" 5239

"

" 5240

"

" 5241

"

" 5242

"

" 5243

"

" 5244

"

I.M.

" 5247

"

Sonora

" 5248

"

" 5249

"

" 5280

"

" 5281

"

Sancti

" 5282



25.430 *Neomammillaria*

25.431 *Neomammillaria*

25.432 *Neomammillaria*

25.433 *Neomammillaria*

25.434 *Neomammillaria*

25.435 *Neomammillaria*

25.436 *Neomammillaria*

25.437 *Neomammillaria*

25.438 *Neomammillaria*

25.439 *Neomammillaria*

25.440 *Neomammillaria*

25.441 *Neomammillaria*

25.442 *Cochemia*

25.443 *Aphalocerus purpurei* B-P

25.444 *Hylocerus*

25.445 *Pachycerus pringlei*

Mexico, Sinaloa

" J. Ortega 5783

Mexico, "

" 5784

Mexico, "

" 5785

Mexico, "

" 5786

Mexico, "

" 5787

Mexico, "

" 5788

Mexico, Sonora

" 5789

Mexico, "

" 5790

Mexico, "

" 5791

Mexico, "

" 5792

Mexico, Durango

" 5793

Mexico, Sonora

" 5794

Mexico, "

" 5795

Mexico, Sinaloa

" 5796

Mexico, "

" 5797

Mexico, Sonora

" 5798



25.446 *Lemaireocereus thurberi*

25.447 *Sedum*

25.448 *Opuntia abiculata*

perhaps 04.276, 04.436, 05.514, 09.358, or 12.164

25.449 *Escobaria chaffeyi* (Tolosa Frue)

25.450 *Possiflora palmeri*

25.451 *Cotyledon umbelliferus reneris*

25.452 *Crassulaceae*

25.453 *Echeveria coccinea*

25.454 *Echeveria*

25.455 *Dolichotheca sphaerica* B&R.

25.456 *Neomammillaria microcarpa* B&R.

25.457 *Coryphantha neomexicana* B&R.

25.458 *Thelocactus bicolor* B&R.

25.459 *Echinocereus*

25.460 *Echinocereus*

25.461 *Echinocereus*

Mexico, Sonora

Y. G. Ortega 5123.  
Mt. Blanc, France Kilip, 13023 8/4/25 -

Dr. G. H. U.S.D. Agri

Synt.

Mexico

Frue

Yucatan - Gummer 23671

South Florida (Nat. Marro.)  
David Fairchild

Oct 5.

Mexico

Orcutt 1925: 2213.

"

" 1925: 2244

"

" 1925: 2310

Texas, Laredo

Alan, P. Dodd. 56

Aug 27.

Arizona, Tucson

" 70

"

Pineline Mts

" 108

Texas, Marathon

" 109

" , Uvalde

" 52

" , Devil's River

" 51

Arizona, southern

" 119



25.462 Echinocereus

25.463 Echinocereus

25.464 Ferocactus covillei R. & R.

25.465 Ancistrocactus brevipinnatus R. & R.

25.466 Escobaria tuberculosa (Engelm.) R. & R.

25.467 Conophytum macromeris R. & R.

25.468 Echinocereus fendleri Engelm.

25.469 Opuntia kunzii Rose

25.470 Opuntia  
(cult.)

25.471 Opuntia

25.472 Opuntia

25.473 Opuntia

25.474 Opuntia

25.475 Opuntia

25.476 Opuntia

25.477 Opuntia

Arizona, northern, Mormon Lake  
Alon P. Dodd 77

California, southern, Cuyamaca  
" 89

Texas, Fort Davis  
" 85

" , Uvalde  
" 106

" , Shafter  
" 113

" , Sanderson  
" 102

" , Shafter  
" 111

Arizona, Pinaline mts.  
" 82

Texas, Uvalde  
" 55

New Mexico, Carlsbad  
" 60

"  
" 61

Arizona, southern, Huachuca mts.  
" 64

" , Bisbee  
" 74

" , northern, Mormon Lake  
" 79

" , Globe  
" 81

Texas, Sanderson  
" 92

Aug 27.



25 y 78 Opuntia

25. 479 Opuntia

25.480 Opuntia

25.481 Opuntia

26. 482. *Macrozamia* *denisoni*  
(Cud)

23. 483 *Amaranthus* (red)

25. 484 *Neomammillaria denuda*

25. 485 *Selaginella boeckmannii*

25-486 *Selenicereus vagans*

25-487 *Coryphantha neomexicana*

25-488 *Echinocereus dasyacantha*

25. 489 *Lunaria annua* L.

25. 490 *Coryphaea*

25-491 *Opuntia polyacantha*  
(one planted Decatur Heights Md)

25.492 *Opuntia fragilis* Oct 30 '15

25. 493 *Lenophyllum texanum*

New Mexico, northern, Cimarron  
Alon P. Dodd 96

Aug 27

" Tape " 98

Colorado, Trinidad

99

Colorado 41

81 100

Australia, Queensland

Aug. 7, 1924

Brazil Summit of Tena da Gramma  
P.H. Rolfs.

Texas, El Paso

Oct 13.

Chas Hammond

California, Los Angeles Coll.

Hm. Wegener & Co. Griffoth.

Sept 15

Texas

C. Hammond (with 25.484)

Texas

Virginia

PR Mmme

California, Riverside  
CC

CC Yager

Alberta, Brooks

Oct 12

T. ELLIOT.

U.S. Dept. Agri. J. House.

Nov. 3.



25.494 *Dudleya goldmanii*

25.495 *Sedum spatulifolium* HBK.

(One in garden Decatur Heights Oct 20/21)

25.496 *Opuntia engelmannii* ?

25.497 " *fuscescens* Engelm

25.498 " " "

25.499 " *macbridei*

25.500 " "

25.501

25.502

25.503

25.504

25.505

25.506

25.507

25.508

25.509

California. Little San. River, lower course of north fork.  
D.F. MacDougal.

Texas, Brewster Co

Monteasen 2/14

" Dean Bernal

137

" Leakey

141

" Dallas

126

Rock Springs

138

Oct. 26



25.520

*Brachyotum*

25.521

*Cent. slack*

25.522

*Orchid*

25.523

*Cent. 1/2*

25.524 *Dudleya*

25.525 *Crassula*

25.526 *Graptopetalum ruschii*

25.527 *Echeveria*

Cuzco Peru

*Senecio*

1921

California, Victorville near Barstow

nov.

*D.T. McElroy*

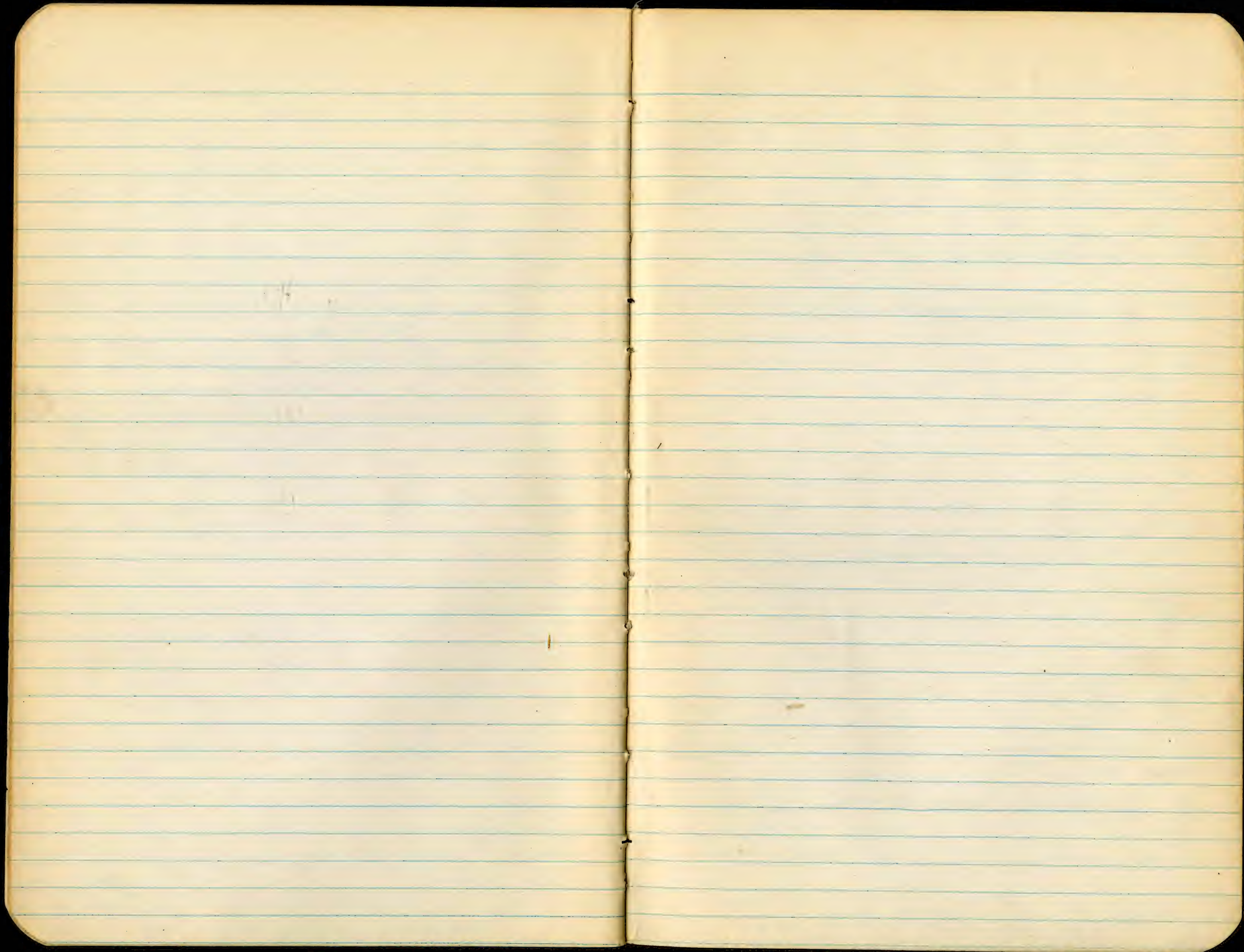
Missouri, Mo. Bot. Gard.

Arizona, Superior

Cult.

*Buchanan*







26.1 Echinocereus reichenbachii Haage

26.2 Phellospuma tetraestria (Engelm.) B. & M.

26.3 Dudleya conferta

26.4 ~~Phellospuma~~

26.5 ~~Poa flava~~ ~~f. integrifolia~~

26.6

26.7

26.8

26.9 Echeveria

26.9a (sent by Anna W. Kiddle (Apr 10 '26))

26.10

26.11

26.12 = 26.50

26.13 Sclerocactus polyancistrus

26.14 Zephyranthes bifolia (Ruhl) Roem.

bull.

26.15 Hippeastrum puniceum (Lam.) Wb.

bull.

26.16 Hippeastrum puniceum (Lam.) Wb.

bull.

Oklahoma, near Sulphur

Wm E. Branch

Jan 1 1926

Locuston Arizona

A.R. Leding

Feb 16, 1926

San Francisco, Cal

A.W. Kiddle

Feb 14 1926

~~Chilodactylus~~ ~~Chilodactylus~~ ~~Joseph~~ ~~2826~~

~~Poa flava~~ See #s 26.73 + 26.74

California, Cult.

Anna W Kiddle

3/10 '26

California?

E. C. Root

3/10

Haiti, Gros Morne. Dry thicket, fl reddish purple

E.C. Leonard 9785

3/17

" Masselade, in soil, border of thicket on cliff

8323

12/26

"

"

Coffee plantation

8076

12/26



26.17 *Zephyranthes bifolia* (Aubl) Roem.

Bulb

26.18 *Hymenocallis ~~multiflora~~ arenicola* Nathrop.

Bulb

26.19 *Bletia florida* R.Br.

orchid bulb

26.20 *Bletia patula* Hook.

orchid bulb

26.21 *Bletia florida* R.Br.

orchid bulb

26.22 *Epidendrum cochleatum* L.

Orchid bulb

26.23 *Canna coccinea* Mill.

Fleshy roots

26.24 *Oncidium variegatum* Sw.

plants

26.25 *Rhoeo discolor* (L. Her) Wance.

Large plant

26.26 *Pachira*

This plant died

Scale fumigation tissue

26.27 *Bryophyllum calycinum* Salisb.

Scale fumigation tissue

26.28 *Annona reticulata* L.

One plant Sept 1926.

Seed

26.29 *Mirabilis jalapa* L.

Seed

26.30 *Carica papaya* L.  
germinating Apr 23, 1926

Seed

26.31 *Hura crepitans* L.

germinating Apr 23, 1926

Specimens July 13, 1926

Seed

26.32 *Terminalia catappa* L.

Seed

Haiti, Marmelade, Open summit of mountain fl. bright red.  $\frac{12}{20}$

EC Leonard 8378

" Dondon, Coffee plantation fl. white fragrant  $\frac{1}{9}$  26.

8759

" Marmelade, Steep grassy mountain slope fl. purple.  $\frac{12}{19}$  25

8203

" St Michel, Mt Platanus, dry grassy slopes fl. bright purple  $\frac{12}{23}$

7790

" Dondon, Open grassy ridge fl. purple.  $\frac{1}{8}$  26

8751

" Marmelade, rock, claret on summit of mt.  $\frac{12}{20}$

8380

" Pilate, piled on edge of field by natives  $\frac{1}{11}$  26

no number

" Gros Morne, In bark tree, fl. light purple  $\frac{7}{11}$  26

9901

" Ennery, rocky lands.  $\frac{2}{5}$  26

9480

" Vicinity of Thor. Large tree, fl. red.  $\frac{2}{28}$  26

10124

" " "  $\frac{2}{27}$  26

no no

" Gros Morne, Tree about 2 ft. h.  $\frac{3}{17}$  26

9819

" Ennery, fl. purple & white  $\frac{1}{12}$  26

no th

" Gros Morne, fruit purchased from natives Feb 16, 1926

no th

" Ennery  $\frac{1}{31}$  26

no th

" " "  $\frac{2}{4}$  26

9585



26-33 *Bixa orellana* L.

(Seed)

26-34 *Canna coccinea* Mill.

Seed

26-35 *Bletia florida* R.Br.

Orchid.

26-36

Leafy

26-37 *Epidendrum bifidum* Aubl.

Orchid.

26-38

Cutting

26-39 *Sansevieria gurneensis* Willd.

Leaf

26-40 *Tillandsia*

26-41 *Tillandsia*

26-42 *Tillandsia*

26-43 *Tillandsia*

26-44 *Tillandsia*

26-45 *Tillandsia*

26-46 *Tillandsia*

26-47 *Tillandsia*

26-48 *Tillandsia*

Haiti, Ennery.

E-C Leonard 10022a

Feb. 1896

" Marmelade.

$\frac{12}{20}$  25

Dry meadow Feb 13, 1926

" No #.

" St. Michel

Grassy slope of Mt. La Cidre.

$\frac{12}{16}$  25

" 8031

"

"

1925

" No #.

" St Raphael native

$\frac{12}{2}$  25

" 7669

" Gros Morne, in yard.

$\frac{3}{4}$  26

" 9992

" Plaisance, dry slope along stream

$\frac{1}{27}$  26

" 9228

" Gros Morne, in tree

$\frac{3}{9}$  26

" 10014

" Ennery, in tree

$\frac{3}{4}$  26

" 9525

" Pilate, in tree

$\frac{3}{1}$  26

" 9691

" Ennery, in tree

$\frac{2}{4}$  26

" 9524

" Ennery, on rocks

$\frac{3}{2}$  26

" 9580

" Ennery, on rocks

$\frac{1}{21}$  26

" 9104

" Ennery, on ground in dense thicket

$\frac{3}{2}$  26

" 9539

" Gros Morne, on tree, dry thicket

$\frac{3}{18}$  26

" 10017

" Gros Morne, in tree

$\frac{2}{16}$  26

" 10016



- 26.49 Tillandsia
- 26.50 Sedum dasyphyllum
- 26.51 Sedum anglicum
- 26.52 Sedum
- 26.53 Sedum
- 26.54 Begonia
- 26.55 Cassia (seed)
- 26.56 Opuntia polyacantha
- 26.57 Conyphorita robustispina
- 26.58 Sedum
- 26.59 Dudleya
- 26.60 seeds
- 26.61 Opuntia opuntia
- 26.62 seed
- 26.63 Ipomoea vil. Y. seed
- 26.64 seed

- Haiti, Gros Morne Ant. tree  
E.C. Leonard 10015  $\frac{2}{17}$  26
- California (France)  
Anna W. Kidder #1  $\frac{3}{13}$
- " (Germany)  
" #2
- " (origin unknown)  
" #3
- " #4
- Mexico, Hacienda Zacuapam, Huatusco, Ver.  
C.A. Purpus
- Mexico  
C.A. Purpus 10579
- Canada, Craigville Dist.  
A.H. Brinkman #18312 July 11, 1925
- Arizona, open desert S.E. of Tucson <sup>the Santa Rita Mts.</sup> between Continental and  
G.J. Harrison & A.R. Siding
- California, the Desert Garden, Escondido  
W.J. Beecroft
- California, San Geronimo Pk. between White water & Calago  
L.R. Abrams
- Mexico, Vera Cruz  
C.A. Purpus in 1925
- Long Island  
Mina Marshall
- Haiti, St. Michel (planted March 16, 1926)  
E.C. Leonard 8529  $\frac{1}{2}$  26
- Haiti, St. Michel  
" 2084a  $\frac{11}{17}$  25
- Haiti, St. Michel  
" 2074  $\frac{11}{17}$  25



26.65 *Phaseolus lunatus* L.

(Seed)

26.66 *Ipomoea quinquefolia* L.

(Seed)

26.67

Dead 5/14/26

(Seed)

26.68 *Ipomoea meyeri* (Spreng) G. Don.

(Seed)

26.69

(Seed)

26.70

(Seed)

26.71

(Seed)

26.72 *Diarrhena pinnatifida*

26.73 *Alstroemeria*

26.74 *Passiflora pinnatifida*

26.75 *Echinocereus*

26.76 *Tillandsia*

26.77 *Echinocereus*

26.78 *Echinocereus*

26.79 *Fierroa*

26.80 *Dudleya*

Haiti, St. Michel

E. C. Leonard 7474

Haiti, St. Raphael

" 7703

Haiti, St. Raphael

" 7699

Haiti, St. Raphael

" 7675

Haiti, St. Michel

" 8497

Haiti, Ennery

" 8765

Haiti, St. Michel

" 8517

Mexico, Pampas 1925

See 25. 378

Chile, La Pardo

Claude Gouph 2826

Penn

Herrera

Texas, Brownsville

B. C. Sharp

"

B. C. Sharp

Texas, Brownsville

Robert Remyon

"

"

Arizona near Kingman

Mr. Chas. Bly.

Arizona, Southwestern Arboretum

Boyce Thompson #1

12/26

12/26

12/25

12/25

12/25

12/26

12/26

Removed from  
#26.4 & 26.5,  
A. W. Kiddle's nos.

Apr 12

Apr 30



26-81 *Echeveria*

(native of Mexico)

26-82 *Graptopetalum ruschii*

26-83 *Lophophora williamsii*

26-84 *Echinocereus stramineus*

26-85 *Echinomastus*

26-86 *Neomammillaria macdougalii*

26-87 *Coryphantha vivipara*

26-88 *Echinocereus baileyi*

26-89 *Echinocereus*

26-90 *Acer rubrum* L.

26-91 *Oudleya collinsae*

26-92 *Crassula arborescens*

26-93 *Foucaultia corallina* B & R.

26-94 *Foucaultia wislizeni* (Engelm.) B & R.

26-95 *Neomammillaria macdougalii* Rose

26-96 *Echinocereus rigidiscapus* (Engelm.) Rose.

Arizona, Southwestern Arboretum

Bayer Thompson #2

"

#3

Texas Houston

Col. M. L. Crummins

New Mexico, Hot Springs

Herbert L. Potter

Texas, El Paso

Arizona, Sells, Bureau of Plant Industry

Frank A. Thacker

Oklahoma

Robert F. Manda

"

"

Virginia, Clarendon

Ralph B.

Arizona, Layson

Rose E. Callow

Florida

Blake

Arizona, Sells

Frank A. Thacker

"

"

"

"

"

"



26.97 *Coryphantha aggregata* (Engelm.) B. & R.

26.98 *Echinomastus euctocentrus* (Cult.) B. & R.

26.99 *Echinocereus rigidissimus* Rose.

26.100 *Coryphantha* aff. *aggregata*

26.101 *Echinomastus euctocentrus*

26.102 *Cephalocereus senilis*

26.103 *Qualeya collonae*

26.104 *Tradescantia macrantha*

26.105 *Sempervivum palmense*

26.106 *Zephyranthes carinata*

26.107 *Coryphantha vivipara*

26.108 *Opuntia polyacantha*

26.109

26.110 *Echinocactus*

dead Dec 1926

26.111 *Mammillaria*

26.112 *Cereus geometrizans*

Arizona, Sells.

Frank A. Thackeray.

June 11

Arizona Sells. Baboquivari Mts.

M. French Gilman #1

June 8

"

"

#2

"

"

#3

Mexico

G. S. M. Scott.

June 9

Arizona, Rayon

Mrs. W. B. Collon.

June 16

Texas?

Record lost.

Spain, Gibraltar. Seed rec. from P. Francisco, Yacht Utövaria.

Inspection house.

June 11

Cult.

June 11

E. C. Powell

Kansas, Tribune

C. R. Ball

June 26

New Jersey, West Orange (Cult.)

R. F. Manda #1

June 26

"

"

#2

"

#3

"



26.113 *Echinocactus monvillei*

26.114 *Echinocactus wislizeni*

26.115 *Echinocactus grusonii*

26.116 *Anhalonium williamsii*

26.117 *Echinocactus setispinus*

26.118 *Mammillaria longimamma*

26.119 *Echinocactus ingens*

26.120 *Mesembryanthemum pseudotruncatellum*

26.121 *Echinocereus coccineus*

26.122 *Echinocereus viridiflorus*

26.123 *Coryphantha nemoralis*

26.124 *Coryphantha vivipara*

26.125 *Rhipsalis*

26.126 *Dudleya*

26.127 *Dudleya macdougalii*

26.128 *Dudleya goldmanii*

New Jersey, West Orange (Cult.)  
R. F. Manda

June 26

"

"

"

"

"

"

"

"

"

"

New Mexico, near Santa Fe.  
C. R. Orcutt

June 30

"

"

Texas, near Fort Davis

"

Texas, Fortburg

W. A. Bridwell

Jamaica

W. R. Maxon 9314

California, Monterey Co. south side of Pico Blanco  
MacDougal

"

mouth fork of Little San River

"

"

head of the Little San River

"



- 26.129 *Ferocactus johnsonii* Britt & Rose  
26.130 *Ferocactus acanthodes* Britt & Rose  
26.131 *Echinocereus fendleri*  
26.132 *Neomammillaria grahamii*  
26.133 *Aporocactus flagelliformis*  
26.134 *Opuntia basilaris*  
26.135 *Opuntia hystricina*  
26.136 *Echinocereus caespitosus*  
26.137 *Echinocereus pectinatus*  
26.138 *Opuntia*  
26.139 *Ferocactus johnsonii*  
(seed of 26.129)  
26.140 *Opuntia atrispina*  
26.141 *Opuntia mackensenii* Rose  
26.142 *Opuntia tortispina* Engelm.  
26.143 *Opuntia tortispina* Engelm.  
26.144 *Coryphantha echinus* (Britt. & Rose)

26.130 *Ferocactus acanthodes* Britton & Rose.

26. 131 *Echinocereus fendleri*

26-132. *Nemamülleria grahamii*

26. 133 *Apocactus flagelliformis*

26.124 *Opuntia basilaris*

26.133 - *Opuntia hystrix*

26.136 *Echinocerus caespitosus*

26.10.7 *Echinoceus pectinatus*

26.138 Operation

26.139 *Ferocactus johnsonii* (seed of 26.129)

26. 140 *Opuntia atrispina*

26-141 *Opuntia mackensenii* Rose

26-142 *Opuntia tortispina* Engelm

26-143 *Opuntia torticarpa* Engelm.

26-K14 *Coryphantha echinus* (Britt. & Rose)

New Jersey Orange (Arizona)

Wanda #1

41

11

" (Arizona)

10

" Arizona

1

9

10

.. (Arizona)

1

22 Arizona

" no /

10

11 Texas

.. #2

Arizona

① ... 1 (red)

Texas,

E. Mortensen #1

11 Leakey

112

21 Ford Motor

北

12

廿四

" Usual!

44 6

June 10.



26.145 *Opuntia*

26.146 *Beschermeria*

26.147 *Urceolina*

26.148 *Agave sartorii*

26.149 *Nemastylis*

26.150 *Cypella peruviana* Baker

26.151 *Gephyranthes humilis* Killip & Tupper

26.152 *Boschmania*?

26.153 *Opuntia fragilis*

\* 26.154 *Pedum Kessleri* Dandy & H. W. H.

26.155 *Le. of Gephyranthes*

26.156 *Le. of Gephyranthes*

26.157 "

26.158 *Agave utahensis* Engelm.

26.159 *Euphorbia*

26.160 *Dionis tillozii*

Texas Douglas

E. Mortensen #7.

Mexico, Zacuapán

C. A. Purpus 10669<sup>ca</sup>

Mexico, Zacuapán

C. A. Purpus

Rio Blanco, Peru - Macbride & F. A. S. 829

Mito, Peru

1924

Peru T. L. Herrera

Zacuapán, Mexico

C. A. Purpus

Aug. 1926

Huron Mountain Club, Marquette, Mich.

W. B. Bailey

Aug 26, 1906

21 of Bishop Creek Dry & Co. Cal.

Mr. Kessler (3621)

1926

W. B. Bailey (3621)

W. B. Bailey (3621)

Mexico

" "

Grand Canyon, Ariz. J. E. Sturdevant Sept. 10, 1926  
U. S. Botanical Gardens

Irish Moss

Ma. H. H. H.

1926



25,161 *Agave santini*

26,162 *Agave miradoren*

26,163 *Eugenia uniflora*

26,164 *Hymenocallis crandallii*

26,165 *Tradescantia fluminensis* Vell.

26,166 *Agave*

26,167 *Byrsonia*

26,168 *Sedum spectabile*

26,169 *Gnaphalium*

26,170 *Opuntia stanleyi* Engelm.

26,171 *Opuntia trichophora*

26,172 *Opuntia phaeacantha* Engelm.

26,173 *Echinocereus polyacanthus* Engelm.

26,174 *Opuntia leptocaulis* DC

26,175 *Opuntia leptocaulis* DC

26,176 *Opuntia leptocaulis* DC

Zacachapan, Mex.

1926

C. R. Purpus

Model

Yucatan

1925

C. R. Purpus

Green House plant

Chaparral

1925

Dr. Purpus

L. H. Bailey

Sacramento, Calif.

Arizona

Pres. House

New Mexico - Santa Fe

Aug 22, 1926

Bis. Arsene #1

" #2

" #3

" #4

" Santa Fe

" #6

" #7

" #8



26.177 *Opuntia stanleyi* Engelm.

26.178 *Opuntia phaeacantha* Engelm.

26.179 *Opuntia phaeacantha* Engelm.

26.180 *Opuntia polyacantha* Haw.

26.181 *Echinocereus polyacanthus* Engelm.

26.182 *Opuntia polyacantha* Haw.

26.183 *Echinocereus viridiflorus* Engelm.

26.184 *Echinocereus polyacanthus* Engelm.

26.185 *Coryphantha nemoralis* (Engelm.) B. & R.

26.186 *Opuntia viridiflora* Britt. & Rose.

26.187 *Echinocereus triglochidiatus* Engelm.

26.188 *Opuntia polyacantha* Haw. Nov 4, 1926

26.189 *Echinocereus triglochidiatus* Engelm.

26.190 *Coryphantha nemoralis* (Engelm.) B. & R.

26.191 *Coryphantha nemoralis* (Engelm.) B. & R.

26.192 *Opuntia polyacantha* Haw.

N. Mexico, Santa Fe

Aug 22, 1926

Bro Arsene # 9.

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" #10

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" #11

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" #12

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" #14

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" #23

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" #24

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" #26



26.193 *Echinocereus triglochidiatus* Engelm.

26.194 *Echinocereus polyacanthus* Engelm.

26.195 *Opuntia imbricata* DC.

26.196 *Opuntia polyacantha* Haw.

26.197 *Echinocereus polyacanthus* Engelm.

26.198 *Opuntia polyacantha* Haw.

26.199 *Neomammillaria micracantha* (Engelm.) B & R.

26.200 *Echinocereus viridiflorus* Engelm.

26.201 *Echinocereus triglochidiatus* Engelm.

x 9  
26.202 *Orypolis*

26.203 *Epithelantha*

26.204 *Echinocactus*

26.205 "

26.206 "

26.207 "

26.208 "

New Mexico, Santa Fe

Aug 27, 1946.

Bra. Arcene # 27

"

" # 28

"

" # 29

"

" # 30

"

" # 31

"

" # 32

"

" # 33

"

" # 34

"

" # 35

N. Va. 2 mi S of Rawlinsburg (Intersect. of N.W. Highway & E.S. Steele) 1400-1500 ft. Alt.

Sept 28, 1946

V. Branden

"

"

"

"

"

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"

"

"

"



26.209 *Echinocactus*

26.210 *Neomammillaria*

26.211 " "

26.212 *Ferocactus*

26.213 *Neomammillaria*

26.214 " "

26.215 " "

26.216 *Arachnoidium milliamii*

26.217 *Cephalocereus senilis*

26.218 *Claytonia parvifolia*

26.219 Rhoeo Dead Nov 4. 1926

26.220 *Hymenocallis*

26.221 *Sedum nevii*

26.222 *Hoffmannseggia jamesii*  
(seed)

26.223 *Wisteria*

26.224 *Morongia campestris*

V. Warden

" "

" "

Mex. Embassy.

" "

" "

" "

" "

" "

California

Dr. MacDougal.

Aug 2, 1926

Oct. 19, 1926

9 lb Blue

Yucatan

E. L. Crandall.

1925

Texas

Tharp 4402

DC

J N Rose

Texas

Tharp 4382



26. 225 Echinocactus johnsoni

26. 226 Peneocereus gregii

26. 227 Harrisia longlandii

26. 228. Sempervivum scabiferum.

26. 229. " Tectum  
violaceum

26. 230. " fimbriatum

26. 231. " arachnoides

26. 232. Crassula #1.

26. 233. Sedum #2.

26. 234. Crassula #3

26. 235. Polypodium phyllitidis

26. 236. Epislendrum cochleatum.

26. 237 Opuntia macrocentra

26. 238 Neomammillaria johnstonii

26. 239 Neomammillaria lloydii

26. 240 Sedum rosea wherry - eastern U.S.

27. 1 Begonia heracleifolia

a Polypodium phyllitidis.

m Epislendrum cochleatum

Col Hart Myers, Florida,

all. Mrs. Florence A. Standley

N.Y. Bot. Garden

N.Y. Bot. Garden

Florida: Fort Myers  
Mrs. Florence A. Standley

Florida: Fort Myers  
Mrs. Florence A. Standley

New Mexico, Mountain Park

James Allen  
Köln, Germany (cult.)

Fr. Bödeker

Mexico, Chiapas, roadside in moist shady places  
ca. Pampas



26. 225 *Echinocactus johnsoni*

26. 226 *Peneocereus gregii*

26. 227 *Harrisia longlandii*

26. 228. *Sempervivum scabiferum*.

26. 229. " *Tectorum*  
*violaceum*

26. 230. " *fimbriatum*

26. 231. " *arachnoides*

26. 232. *Crassula* #1.

26. 233. *Sedum*. #2.

26. 234. *Crassula* #3

26. 235. *Polypodium phyllitidis*

26. 236. *Epilendrum cochleatum*.

26. 237 *Opuntia macrocentra*

26. 238 *Neomammillaria johnstonii*

26. 239 *Neomammillaria lloydii*

26. 240 *Sedum neri* Wherry-Eastern W.S.

27. 1 *Begonia heracleifolia*

Arizona (northwestern).

C. R. Orcutt

Mexico, Gomez Palacio

Oct. 20

Theo. Schwarz

Calif. Cult. Los Angeles

Oct. 12

H. M. Wagner

N. Y. Bot. Garden.

N. Y. Bot. Garden.

N. Y. Bot. Garden

N. Y. Bot. Garden

Florida! <sup>Fort Myers</sup> Mrs. Florence A. Standley

Florida <sup>Fort Myers</sup> Mrs. Florence A. Standley

New Mexico, Mountain Park

James Allen

Köln, Germany (cult.)

Fr. Bodeker

"

"

Mexico, Chiapas woods in moist shady places  
Ca. Purpus



27.2 *Begonia ricnifolia*

27.3 *Begonia*

27.4 *Sedum* *undulleya*

27.5 *Sedum* *undulleya*

27.6 *Sedum* *undulleya*

27.7 *Sedum* *undulleya*

27.8 *Notholaena sinuata* ✓

27.9 *Notholaena sinuata* ✓

27.10 *Cheilanthes wrightii* ✓

27.11 *Notholaena sinuata* ✓

27.12 *Cheilanthes wrightii* ✓

27.13 *Opuntia polyacantha* Haw.

27.14 *Opuntia macrochiza* Engl.

27.15 *Opuntia tortispina* Engl.

27.16 *Opuntia tortispina* Engl.

27.17 *Coryphantha arizonica*

Mexico, Chiapas on rock, half shade, moist soil  
C.A. Purpus.

" Vera Cruz on rock

Arizona Sierra Estrella south of Phoenix  
T.H. Kearney

"

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Colorado, Fort Collins.

Mrs. L.L. Roller by Mrs. Johnson.

Oklahoma on timber ridge miles/ miles.

" on hard rocky soil.

Jefferson highway, Chimney Mountain.

"

" on large rocks.

"

Arizona, near Twin Buttes, Pima Co.  
E.B. Bartram

Jan 15.



- 27.18 *Coryphantha arizonica*  
 27.19 *Echinocactus schrenkii*  
 27.20 *Hymenocallis*  
 27.21 *Hymenocallis*?  
 27.22 *Crinum*  
 27.23 P  
 27.24 ?  
 27.25 *Sempervivum schottii*  
 27.26 *Sempervivum requienii*  
 27.27 *Sempervivum pulchellum*  
 27.28 *Sempervivum murale*  
 27.29 *Sempervivum sabaudum*  
 27.30 *Homalocephala texensis*  
 27.31 *Lithops mundii* Trich.  
 27.32 *Lithops pseudotruncatella* Berger.  
 27.33 *Anacampseros tomentosa* Berger.

Arizona, near Twin Buttes, Pima Co.  
 E.B. Bartram.

Jan 1877

Chile, Santiago

Alfredo Fagel Dr. Aldrich.

Yucatan E. L. Crandall

Yucatan E. L. Crandall

Yucatan E. L. Crandall

Yucatan E. L. Crandall

Yucatan E. L. Crandall

France: W. R. Lucas

France: W. R. Lucas

France: W. R. Lucas

France: W. R. Lucas

France: W. R. Lucas

Texas: Sandy plains near Port City  
 Albert Ruth. 146<sup>e</sup>

Jan 1877

Germany, Malsdorf cult.  
 W. Mund.

"

"

"

"



2734 *Guigatia abyssinica*

2735 *Cassia alata*  
(Sud)

2736 *Passiflora*  
(Sud)

2737 *Chamaecrista*  
(Sud)

2738 *Pachyrrhizus erosus* L. Mt.  
(Sud)

2739 *Galactia fuchii* Wb.  
(Sud)

2740 *Indigofera viscosa* Lam.  
(Sud)

2741 *Teramnus uncinatus* (L.) Sw.  
(Sud)

2742 *Mirabilis jalapa* L.  
(Sud from plants with pale flowers.)

2743 *Acacia*  
(Sud)

2744 *Mimosa biuncifera*  
(Sud)

2745 *Neomammillaria grahamii*

2745<sup>a</sup> *Neomammillaria microcarpa* Br. & R.  
(Sud)

2746 *Coryphantha arizonica*

2747 *Echinocereus rigidissimus*

2748 *Coryphantha arizonica*

Blake #1.

Mexico, Monserate

CA Pampus

Brazil

Chore 9548.

Haiti, Mt La Mine, St Michel.

Leonard 7228

Haiti, Abolaye Plantation, St Michel.

Leonard 7173.

Haiti, Mt La Mine, St Michel.

Leonard 7327.

Haiti, Mt La Mine, St. Michel.

Leonard 7331.

Haiti, Mt La Ciche, St Michel.

Leonard 7612<sup>a</sup>.

Haiti, Ennery

Leonard Jan 1926 no. #1

Arizona

EB Bartram

Arizona

EB Bartram

Arizona, Twin Buttes, Pima Co.

EB Bartram.

"

"

"

"

Arizona, Texas Canyon, Dragon Mts, Cochise Co.

"

"



27.49 *Echinocereus fendleri*

Arizona, Texas Canyon, Dragon Mt., Cochise Co.  
C.B. Bartram

27.50 *Fierocactus*  
(seed)

Arizona

27.51 *Dudleya*

California Santa Ana Canyon 35 mi S.E. Los Angeles.  
Ernest Brauerton.

27.52 *Dudleya*

California

27.53 *Mammillariabaumii*

Köln Germany  
Fr. Bödeker.

27.54 *Leucaena palmeri*

Mexico, Western

27.55 *Dudleya*

M.J. Ortega 6627  
California; San Diego Co. Imperial Beach. 14 mi S. of San Diego.  
L.H. Bailey

27.56 *Opuntia bigelovii* Engelm

California, San Diego Co.  
L.H. Bailey.

27.57 *Dudleya collinsii*

Arizona, Payson.  
Roe E. Collins.

27.58 *Agave*

27.59 *Fierocactus*

27.60 *Neomammillaria mainae*

Arizona, Baboquivari Mts.  
Mr. M. French Gilman 1

27.61 *Neomammillaria olivacea*

" " # 2

27.62 *Neomammillaria viridiflora* B&R.

" " # 3

27.63 *Neomammillaria microcarpa*

" " # 4

27.64 *Fierocactus*

California  
S.B. Parish



27.65 *Neomammillaria olivacea*  
Seed.

27.66 *Amaryllis belladonna*

27.67 *Testudinaria glauca*

27.68 *Bergerocactus emeryi*

27.69 *Tierocactus johnsonii*  
white spines.

27.70 *Tierocactus johnsonii*  
red spines.

27.71 *Roseocactus lloydii* (Rose) Berger.

27.72 *Roseocactus lloydii* (Rose) Berger

27.73 *Opuntia*

27.74 *Coryphantha*

27.75 *Epithelantha micromeris*

27.76 *Astrophytum asteris*

27.77 *Escobaria lloydii*

27.78 *Echinofossulocactus multicostatus*

27.79 *Echinofossulocactus multicostatus*

27.80 *Thelocactus bicolor* B + R.

Arizona; Baboquivari Mts.  
M. French Gelman #2

Africa, Cape Town

R. Marloth.

California, Canyon near La Jolla along Sea Feb. 24  
L. H. Bailey.

Arizona

E. C. Rust

Mexico (northern)

A. F. Moeller #1

#2

#3

#4

#6

#7

#8

#9

#10

#2



27.81 *Dudleya pulcherrima*

27.82 *Stylophyllum edule*

27.83 *Stapelia variegata*

27.84 *Stapelia hirsuta*

27.85 *Echeveria imbricata*

27.86 *Cotyledon macranthum*

27.87 *Stapelia grandiflora*

27.88 *Stapelia maculosoides*

27.89 *Stapelia revoluta*

27.90 *Stapelia atro-purpurea*

27.91 *Stapelia hanburyana*

27.92 *Echeveria purpurea*

27.93 *Kalanchoe marmorata*

27.94 *Echeveria grisea*

27.95 *Kalanchoe somaliensis*

27.96 *Echeveria secunda-glanca*

California, Canyon near La Jolla along sea Feb. 24  
L. H. Bailey

Australia (not from Australia but from the botanical  
garden at Sydney, probably com)  
Edwin Ashby, # 10

" # 14

" # 3

" # 20

" # 16

" # 13

" # 12

" # 11

" # 15

" # 6

" # 18

" # 1

" # 19

" # 2



- 27.97 *Echeveria bracteolata*
- 27.98 *Echeveria retusa-floribunda*
- 27.99 *Echeveria*
- 27.100 *Echeveria*
- 27.101 *Echeveria gibbiflora-metallica*
- 27.102 *Sedum*
- 27.103 *Sedum*
- 27.104 *Stylophyllum*
- 27.105 *Dudleya grandiflora* Rose
- 27.106 *Opuntia*
- 27.107 *Echinocereus*
- 27.108 *Neomammillaria*
- 27.109 *Neomammillaria*
- 27.110 *Echinocereus viridiflorus*
- 27.111 *Coryphantha nemeritana*
- 27.112 *Echinocereus*

- Australia
- Edwin Ashby # 4.
- " # 7.
- " # 8
- " # 9
- " # 5
- lives out all winter on Buttermilk St near Walter Reed Hospital in a concrete urn no protection collected later part of Feb. by W. R. Lucas
- California
- Ernest Branton
- California. gravel pit between Garnett + Widewater near Sonoma Pacific Ry.
- Frank A. Thacker.
- New Mexico, Las Vegas.
- Bro. Arlene 39.
- " —
- " 40.
- " 41. (= 42)
- " 42
- " 43
- " 45
- " 47

*Note*  
# 38 + 44 + 46  
were dead



27.113 *Opuntia*

27.114 *Opuntia polyacantha*

27.115 *Echinocereus*

27.116 *Echinocereus*

27.117 *Echinocereus*

27.118 *Coryphantha nemeritica*

27.119 *Echinocereus*

27.120 *Echinocereus*

27.121 *Cassipourea*

(Seed)

27.122

27.123 *Echinocactus johnsoni* (Seed - red bean) *lutescens*

= 27.124

27.124 *Piptadenia peregrina*

27.125 *Opuntia*

27.126 *Sempervivum haworthii*

27.127 *Sempervivum haworthii*

27.128 *Hudleya*

New Mexico

Bio Arsene 48(239)

" 49

" 50

" 51

" 52

" 53 (= 44)

" 54 (= 43)

" 55 (= 43)

Jamaica

Orcutt 136

" 144

Nevada, near Searchlight.

M.E. Jones & S.B. Parish.

Porto Rico

Britton 3986.

Argentina

Comber 3 % A. Hill of Peru

California

W.D. Beecroft



27.129 *Sedum pachyphyllum*

27.130 *Sedum aureum* ?

27.131 *Crassula lycopodioides*

27.132 *Senecio pugioniformis*

27.133 *Phellosperma tetrandria* (Engelm.) B. & P.

27.134 *Alankhosorus*

27.135 *Phellosperma tetrandria* (Engelm.) B. & P.

27.136 *Cassia*

27.137 *Mesembryanthemum adscendens*

27.138

(orchid.)

27.139

27.140

27.141 *Lemniscocerus*

27.142 *Cephalocercus*

27.143 *Hylocercus*

27.144 *Opuntia dillenii*

California

W. J. Beckett.

"

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Arizona, near Phoenix

Mrs. W. B. Collom.

Florida Dr. L. C. Corbett

Arizona

Mrs. W. B. Collom.

Africa, French Guiana, Ronapay, Fore Caral

March 16, 1927

Dr. David Fairchild, S.P.I. 20899 F.H. 68350.

Uruguay

Mr. Luis Guillet S.P.I. 66812.

Mexico, Acootla, Guerrero

Jan. 1927

B.P. Rebo 5126

"

" 5125

" Cerro del Gallo

" 5123

" Acootla

" 5112

" Rio

"

" 5127

" Acootla

" 5122

Florida, Seesta Key, just below Sarasota

Henry Goodman.



27.145 *Hammia simpsonii*

27.146 *Hechtia*

27.147 *Beaucarnea recurvata*

27.148

*Hamatocactus setispinus* Boudley red.

27.149 *Begonia hydrostylifolia* O + H.

27.150 *Begonia*

*off. riciniifolia*

27.151 *Begonia*

27.152 *Echinocereus berlandieri*

27.153 *Neomammillaria*

27.154 *Neomammillaria*

27.155 *Neomammillaria wilcoxii*

27.156 *Graptopetalum bartramii*

27.157 *Echinomastus erectocentrus*

27.158 *Coryphantha*

27.159 *Stapelia handburyana*

27.160 *Stapelia variegata*

Florida, Siesta Key, just below Sarasota.

Henry Goodman.

Mexico Vera Cruz, common on rocks.

La Pampa

Mexico " , common on rocks

"

"

"

"

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Texas, S.A.

Mrs. Eugene A. Harris

Arizona (northwestern) Baboquivari Mts.

Edwin B. Bartram

"

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"

Texas Canyon, Dragoon Mts.

"

"

"

Baboquivari Mts.

M. French Gilman.

Harvard Bot. Gard.

"



27.161 *Stapelia angulata*

27.162 *Stapelia* sp.

27.163 *Euphorbia pentagona*

27.164 *Malacarpus tetraacanthus*

27.165 *Malacarpus bledyalatus* Fric + Sch.

27.166 *Opuntia*

27.167 *Opuntia*

27.168 *Agave atrovirens*

27.169 *Agave sartorii*

27.170 *Beschomera*

27.171 *Agave*

27.172 *Agave miradorensis*

27.173 *Dudleya*

27.174 *Brynesia weinbergii*

27.175 *Diorn edule*

27.176 *Cactus*

Harvard Bot Gard.

"

"

Argentina

A. V. Fric.

"

"

Uruguay

# 3

"

# 5

Mexico

Purpus.

"

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Arizona Mormon Flats, abundant on rocky hillsides

G. J. Harms + R. H. Peebles 3892 J. H. Kearney

California, San Francisco (cult)

Eric Walther.

Mexico, Hacienda Zucapan, Huatusco, Veracruz

C. A. Purpus

Colombia, Cienaga 2100m alt. and lands

Mar 25

Killip + Smith 21027.



27.127

27.128 *Dudleya*

27.129 *Dudleya pulverulenta*

27.130 *Malacocarpus sellowii* (Link + Otto)

27.131 *Opuntia arecharaletai* Speg

27.132 *Opuntia aurantiaca* Lindl

27.133 *Echinocereus engelmannii*

27.134 *Neolloydia texensis* B & R.

27.135 *Coryphantha pectinata*

27.136 *Coryphantha pectinata*

27.137 *Coryphantha echinus*.

27.138

27.139 *Epithelantha micromeris*

27.140 *Pachycereus pecten-aboriginum*  
(seed)

27.141 *Opuntia parryi*

27.142 *Opuntia echinocarpa*

200 m. alt. Dec. 29  
1926  
Columbia, Upper Rio Lebrija Valley near Bucaramanga  
Kilip + Smith 16315

California, Jacumba on Mexican line Apr.  
Ernest Braumton. 1004

" " 1005

Uruguay Luis Guillot #1. Apr 28.

" " #2.

" " #4.

Sent. by William Tell #1. May 5

" " #2

" " #3

" " #4

" " #5

Texas

Mrs Eugene A. Harris

Mexico

Grace M. Cole

California

M. F. Gilman #10. May, 17

" " #12.



27.143 *Echeveria*

27.144 *Sempervivum*

27.145 *Neomammillaria*

27.146 *Asterophytum asterias* Lem.

27.147 *Ancistrocactus* cf. *berichamatus*

27.148 *Hamatocactus setispinus* Britt & Rose

27.149 *Echinocereus reichenbachii* Haage & Gr.

27.150 *Echinocereus*

27.151 *Escobaria dasyacantha* Britt & Rose

27.152 *Lophophora williamsii* Conlt.

27.153 *Ancistrocactus* cf. *scheeri*

27.154 *Ferocactus uncinatus* Britt & Rose

27.155 *Echinocereus luteus*?

27.156 *Neomammillaria denudata* Britt & Rose

27.157 *Neolloydia terana* Britt & Rose

27.158 *Neomammillaria*

California cult.

Eric Walther.

Texas, near Marathon.

Fred H. Hall #1.

" Hills north of Rio Grande City

" #2.

" 7 mi west of "

" #3.

" 5 mi west of Thompsonville

" #4.

" near Austin

" #5.

" North of Rio Grande City

#6.

" Near Marathon

" #7.

" Hills north of Rio Grande City

" #8.

" 5 miles west of Thompsonville

" #9.

" near Marathon

Edegar Hall #10.

" "

" #11.

" "

" #12.

" "

" #13.

" " Castell

Fred H. Hall #14



- 27-159 *Wilcoxia tuberosa* B+R.
- 27-160 *Coryphantha neomexicana* Britt + Rose.
- 27-161 *Ferocactus hamatacanthus* Britt + Rose.
- 27-162 *Echinocereus*
- 27-163 *Echinocereus*
- 27-164 *Echinocereus*
- 27-165 *Sempervivum haworthii*
- 27-166 *Opuntia*
- 27-167 *Neomammillaria heyderi* B+R.
- 27-168 *Echinocereus pentaloplus*
- 27-169 *Escobaria*
- 27-170 *Ferocactus hamatacanthus* B+R.
- 27-171 *Homalocephala texensis* B+R.
- 27-172 *Hamatocactus setispinus* B+R.
- 27-173 *Dolichothela sphaerica* B+R.
- 27-174 *Ancistrocactus scheeri* B+R.

- Texas, 5 miles north of Rio Grande City Jan.  
Fred H. Hall # 15.
- New Mexico, near Orogarden May  
C.E. Martin # 16.
- Texas, near Marathon Jan.  
Edgar Hall # 17.
- New Mexico, near Orogarden May.  
C.E. Martin # 18.
- " " Jan.  
" # 19.
- Texas, near Marathon  
Edgar Hall # 20.
- California Cult. June 4.  
E. Walther.
- California, Banning  
M. French Gilman.
- Texas, Laredo June 2.  
V. J. Shiner # 1.
- " " # 2.
- " " # 3.
- " " # 4.
- " " # 5.
- " " # 6.
- " " # 7.
- " " # 8.



27.175 Echinocereus

27.176 Hampea

27.177 Anastrocactus bertinii

27.178 Sansevieria guineensis (Lam.) Willd.

27.179

27.180

27.181

27.182

27.183

27.184

27.185

27.186

27.187 Sedum

27.188 Dudleya ingens Roe

27.189 Agave

27.190 Hamatocactus setispinus (Engelm.) B. & R.

Texas, Laredo.

V.J. Skinner #9.  
St. Bar. near Condes.

Many.

Argentina Rio Negro

Dominican Rep.

Wetmore.

My Peckshild St Mary's Convent.  
Sister Mary Regina #1

"

" #2

"

" #3

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" #4

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" #5

"

" #6

"

" #7

"

" #8

Mexico

Mrs Anna W. Kidder

"

"

Texas, between Rio Grande & Sanfordyce

Robert Runyon.

Texas 5 mi. W. of Thompsonville

Fred. W. Wall # 21

June 27.



- 27.191 *Neomammillaria microcarpa* (Engelm) B.R.
- 27.192 *Ferocactus*
- 27.193 *Opuntia*
- 27.194 *Echinocereus rigidispinus* (Engelm) Rost.
- 27.195 *Echinocereus reichenbachii* Hoage Y.
- 27.196 *Carnegiea gigantea* (Engelm) B.R.
- 27.197 *Coryphantha echinus* (Engelm) B.R.
- 27.198 *Echinocereus*
- 27.199 *Echinocereus chloranthus* Engelm.
- 27.200 *Escobaria tuberculosa* (Engelm) B.R.
- 27.201 *Echeveria* <sup>mucronata</sup> *crenulata*
- 27.202 *Coryphantha aff. pycnacantha*
- 27.203 *Neomammillaria*
- 27.204 *Neomammillaria*
- 27.205 *Neomammillaria*
- 27.206 *Neomammillaria*

- N. Mex., Near Hachita, (Wyde Park, Floral Co.)  
C.E. Martin # 22 June
- Texas Near Marathon  
Edgar Hall # 23 Jan.
- N. Mexico, Socorro,  
C.E. Martin # 24 June.
- Arizona, Tucson  
C.E. Martin # 25 June
- Texas, Marathon  
Edgar Hall # 26 Jan.
- Arizona, Tucson  
C.E. Martin # 27 June
- Texas, Marathon  
Edgar Hall # 28 Jan.
- "  
C.E. Martin # 29 June.
- "  
C.E. Martin # 30 Jan.
- "  
C.E. Martin # 31 June.
- Mexico <sup>Norwood</sup> (Cult. Ohio)  
Belden C. Sauer. July 19.
- Mexico, Plains of Oriental, Puebla  
C.A. Pampus # 20. July 20.
- "  
" # 21
- " Plains of Oriental, Puebla  
" # 22
- " Plains of Real del Monte, Hidalgo  
" # 23
- "  
" # 24



27. 207 *Neomammillaria*  
 27. 208 *Neomammillaria*  
 27. 209 *Neomammillaria* *mystax* (Mont) B.P.  
 27. 210 *Neomammillaria*  
 27. 211 *Neomammillaria*  
 27. 212 *Neomammillaria*  
 27. 213 *Agave*  
 27. 214 *Agave*  
 27. 215 *Aloe vulgaris*  
 27. 216 *Begonia*  
 27. 217 *Echinopsis*  
 27. 218 *Sedum album* L.  
 27. 219 *Manfreda*  
 27. 220 *Yucca*  
 27. 221 *Achillea*  
 27. 222 *Agave rigida*

Mexico, Oaxaca

- CA Purpus 25-  
 " Real di Monte. Hidalgo  
 CA Purpus 26.  
 " Plains of Oriental  
 CA Purpus -  
 "  
 " "  
 " Perote, Vera Cruz  
 " "  
 " Plains + hillsides of Oriental, Puebla  
 " "  
 " hillsides Oriental, Puebla  
 " "  
 " "  
 " Tehuacan  
 " "

Mexico. D.F.

- Justav. Bassler.  
 Ind. cult.  
 J.B.S. Norton.  
 Loc.?  
 Popenoe # 3.  
 Ga, Whigham  
 Eric Hawthorne.  
 Jamaica, Montego Bay  
 Oseult 2212  
 Mexico  
 Purpus  
 Jamaica  
 Oseult.



27. 223

27. 224 *Opuntia jamaicensis*

27. 225 *Lemaireocereus*

27. 226 *Cercis arizonensis* B.R.

27. 227 *Coryphantha arizonica* / Engelm. / B.R.

27. 228 *Cactus harenensis* (Miquel)

27. 229 *Echinocereus fendleri*

27. 230 *Peniocereus greggii*

27. 231 *Neomammillaria macrocarpa*.

27. 232 *Neomammillaria muscadongali*

27. 233 *Rhipsalis coccinea*

27. 234 *Mammillaria*

27. 235 *Mammillaria*

27. 236

27. 237

27. 238

Jamaica

C.R. Orcutt 2436

"

" 2445

"

" 2531.

Arizona, Gr. Canyon  
Glen E. Sturdevant.

Arizona  
Mrs. W.B. Collom.

Cuba

Arizona, Rio San  
Douglas to Tombstone  
J.A. Kuebler.

"

"

"

"

"

"

Jamaica

C.R. Orcutt.

Arizona Sells Exp. Sta

"

Oct.

"

"

"



- 27.239
- 27.240
- 27.241
- 27.242
- 27.243
- 27.244
- 27.245
- 27.246
- 27.247
- 27.248 *Neomammillaria bocasana*
- 27.249 *Cereus tricoloratus*
- 27.250 *Plenrothallis*
- 27.251  
(ambid.)
- 27.252 *Stelis*
- 27.253

Arizona - Sells, Exp. Sta.

Oct.

"

"

"

"

"

"

Calif. Alhambra

E.C. Rost 709 N. Stoneman

Texas, Brewster Co. Glen Spring.

G. L. Fisher, #88, 610 Hadley Ave. Houston, Tex

Mexico, Ind. Durango.  
Rico

California

H. M. Wegner

212 E 24th St Los Angeles.

Mexico.

Purpus

"

"

"

"

"

"

From 27.216  
E.C. Rost.  
709 N. Stoneman  
Alhambra  
Calif.

Oct. 27.

Oct. 28.

Oct. 28.



27.254

(Orchid)

27.255 *Pleurothallis*

27.256

(Orchid)

27.257

Orchid

27.258

(Orchid)

27.259 *Milcovia poselgeri*

27.260 *Opuntia leptocaulis*

27.261 *Agave*

27.262 *Agave americana*

27.263 *Manfreda variegata*

27.264 *Echinocereus*

27.265 *Aloe*

27.266 *Manfreda*

27.267 *Manfreda*

27.268 *Opuntia schottii*

27.269 *Stapelia variabilis*

Mexico

Parque.

"

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"

on branches.

"

"

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"

"

Texas, Laredo

Nov. 29.

V.J. Skinner #10

"

"

#11

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#12

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#13

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#14

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#15

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#16

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#18

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#19

"

#20



27.270 Schlumbergera russelliana

27.271 Echinocereus reichenbachii

27.272 Hamatocactus setispinus

Texas, Laredo.

V. J. Skinner # 21.

# 22.

NY Bot Gard.

Dr. N. L. Britton

Dec. 29.



- 28.1 *Dahlia coccinea*  
(cult.)
- 28.2 " (seed)
- 28.3 " (seed)
- 28.4 *Opuntia*
- 28.5 *Stapelia variegata cristata*
- 28.9 *Opuntia opuntia*
- 28.10 *Opuntia opuntia*
- 28.11 *Coryphantha serotica* (Engl.) Herb
- 28.12 *Coryphantha arizonica* (Engl.) Britt & B
- 28.13 *Coryphantha robustispina* (Schott) Britt & B
- 28.14 *Echinocactus horizontalis* Lemmon
- 28.15 *Dudleya*
- 28.16 *Harrisia*
- 28.17
- 28.18 *Dudleya pulverulenta*
- 28.19

Mexico

C.A. Purpus

Cal. Los Angeles (cult)

Frank Smith

Ill. Desplumes R. at Channahon on limestone  
Ralph O Baird #1

Ill. Braidwood in dunes

N. Mexico (central)  
James Allen

Arizona, Grand Canyon

Glen E. Sturdevant

Mar. 22

Arizona

Edwin B. Bartram

Mar. 31

California, Hospital Rock, Sequoia Nat. Pk. Mar. 26  
L.R. Abrams

Dominican Republic near Montecristo Apr. 1, 1928.  
Miller

California San Luis Obispo

Miss Gertrude Linchimer

Apr. 24



28.20 Dudleya

28.21 Sedum

28.22 Crassulaceae

28.23 Crassulaceae

28.24 Crassulaceae

28.25 Cactus

28.26 ~

Arizona, Sierra Estrella

Apr. 19.

~~R. H. Peebles.~~

Arizona Mts above Payson 6000 ft alt. Apr.  
Mrs W.B. Collins.

California; San Luis Obispo Co.  
Miss Gertrude Sinsheimer.

"

"

"

"

Cuba. Paul Bartsch

July 1928

"

"

"

"

"



—1929—

29.1 *Echinocereus Baileyi* Rose

Texas: South of Ranger, Vernon Bailey,  
coll. May 1, 1929



1930

30.1 *Raiz colorado* from Dr. Harrington  
grow for identification

30.2 *Solanum* sp. Zuni reservation  
W. New Mexico, T. H. H. Roberts  
Aug. 1930

30.3 *Nemastylis lyonneta* Morton n. sp.  
bulb from Lyonnet 271

1931

31.1 *Oreocroma hechneri*  
6 plants received from  
Frank Gabrielson on  
Jan. 25, 1931



1933

- 33.1 *Dudleya collinsae* Rose  
 33.2 " " "  
 33.3 " " "  
 33.4 " " "  
 33.5 " " "  
 33.6 *Oreobroma heckeri* Morton  
 33.7 *Sedum obtusatum* Gray

Payson Arizona June 1933 by Mrs Collins

"

"

"

"

Trinity Ints. Calif. July 1933 John Hecker

"



1934

34.1 *Neomamillaria celciana* (Lem.) B+P

Mell's label reads "On fresh  
rarely in twos"

34.2 *Neomamillaria* sp.

Mell's label reads "This is a small  
The clusters are sometimes on  
rocks (limestone) either in dry  
streambeds."

34.3 *Dudleya collinsae*

34.4 *Dudleya*

34.5 *Dudleya*

34.6 "

Chivela, Oaxaca. Mar. 19, 1934 C.D. Mell, coll.  
limestone, occurring usually single,

Chivela, Oaxaca. Apr. 19, 1934 C.D. Mell, coll.  
sprout from a cluster of a dozen or more.  
large as a man's head. They occur on  
or wet places, occasionally in

Near Payson, Arizona, coll. by Mrs. Rose E. Collins  
Spring 1934

Has pale flowers?

Little Sycamore Canyon, Santa Monica Mts.,  
Ventura Co., 5 miles from ocean. See  
note in file of *Comptonia*. Coll. Ellen  
Rookesby, July 1934.

Data same as preceding

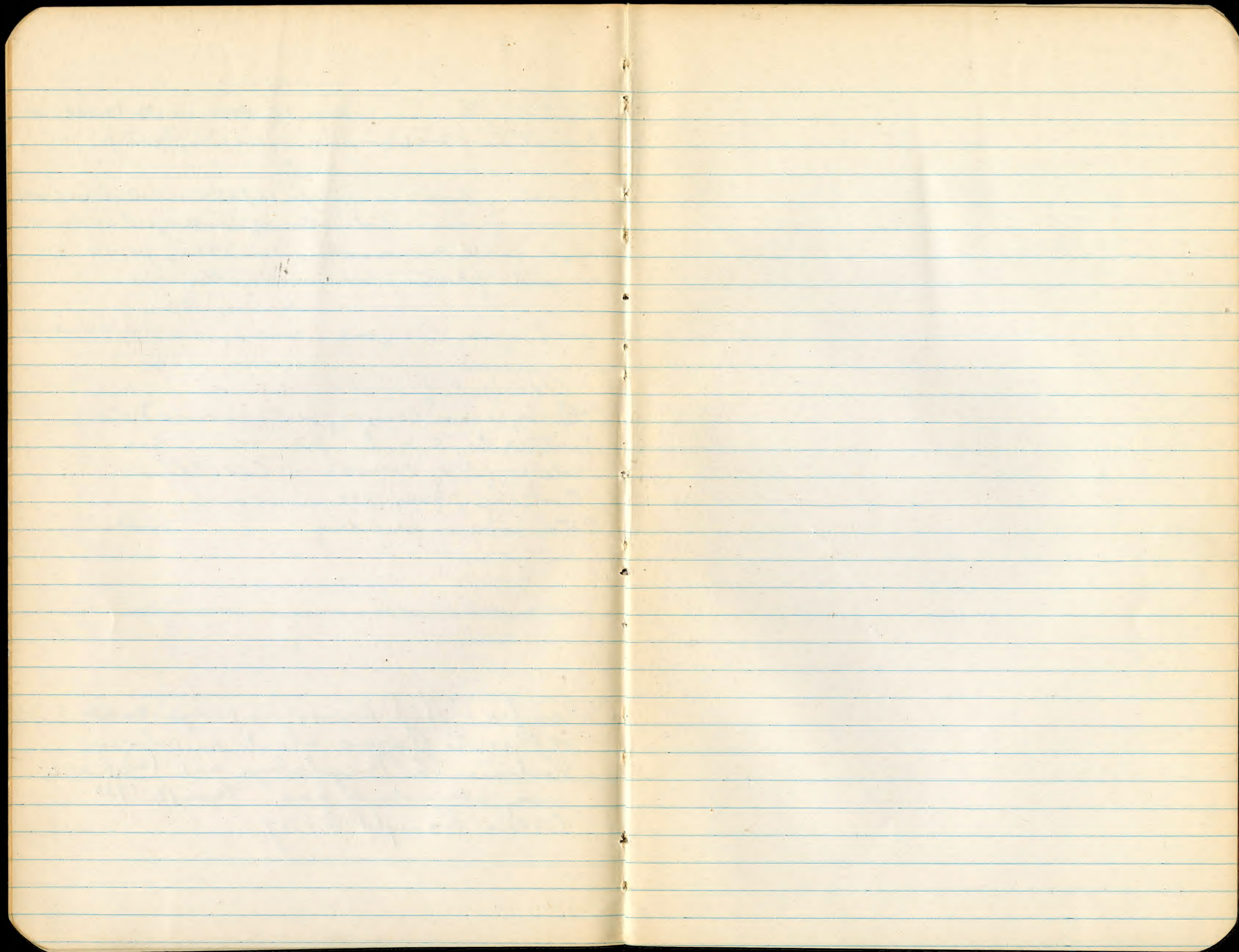
" " " "

1935

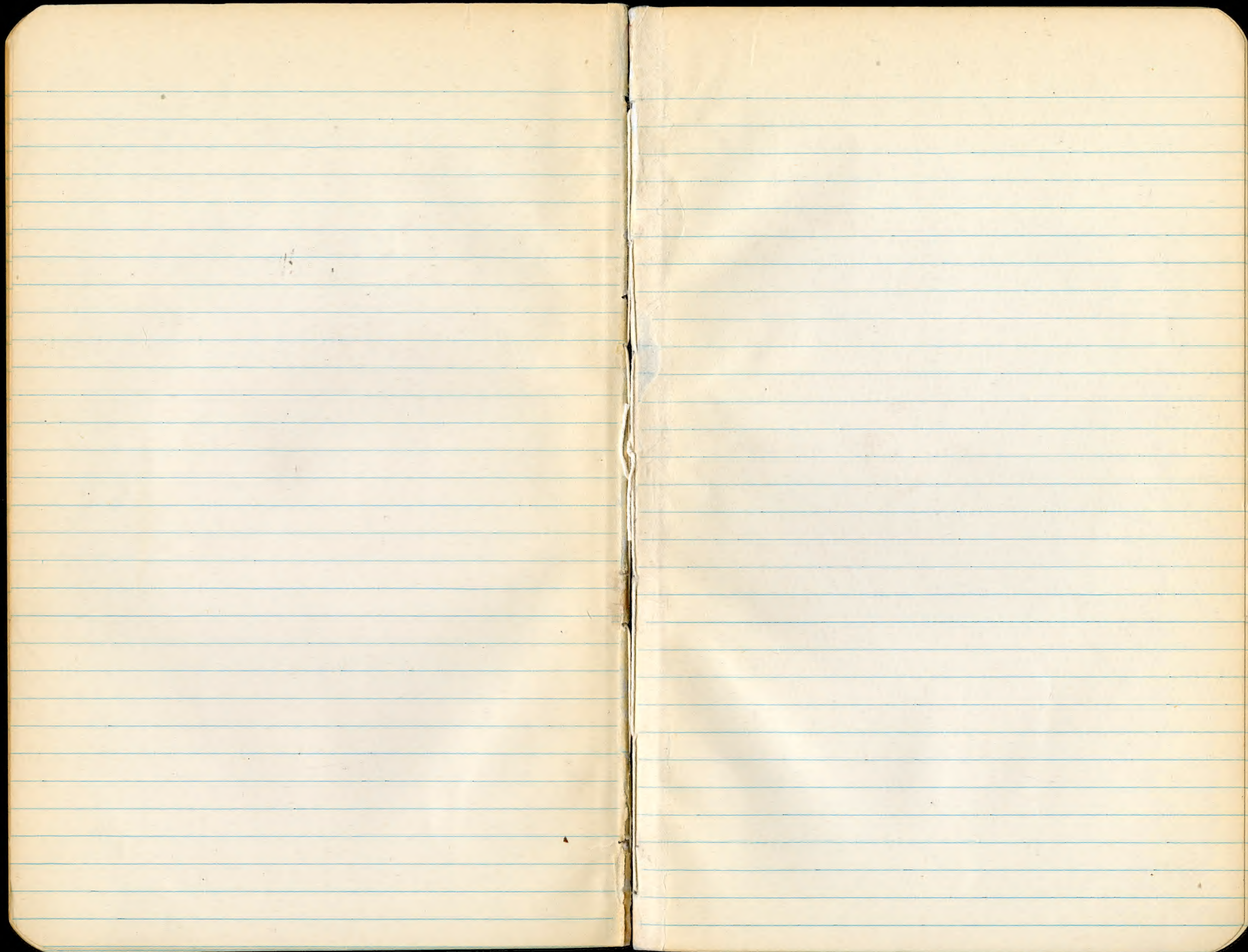
35.1 *Zamia*

Colombia: "High sandstone ridge east  
of Puerto Berrio, about midway  
between the Magdalena and Carare;  
very abundant here." May 18, 1935.  
Oscar Haught #1717.











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